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# INTERCOM

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## Weekend celebration planned for ARL's golden anniversary

The University's Applied Research Laboratory (ARL), formerly the Ordnance Research Laboratory (ORL), is observing its 50th year of serving the Navy, Penn State, and the nation.

To celebrate this achievement, alumni, employees and friends will take part in an ORL/ARL Alumni Weekend Aug. 19-21 at the University Park Campus.

Keynote speaker for the event will be Penn State President Emeritus Eric A. Walker. Dr. Walker, former dean of the College of Engineering and former ORL director, will speak at the opening dinner at 7 p.m. Friday, Aug. 19, in the Nittany Lion Inn. Other speakers will include Paul Ebaugh, ORL interim director; Arnold A. Addison, personnel director (1948-1978); and L. Raymond Hettche, director of the Applied Research Laboratory.

"We are pleased that Dr. Walker will be able to be with us for this important celebration," Dr. Hettche said. "And it is exceptionally appropriate since Dr. Walker first brought the lab to Penn State from Harvard University in 1945."

ARL is a Navy-oriented research facility established to advance the Navy's technology by the through basic and applied research, and through exploratory and advanced development. It is the largest of 15 interdisciplinary laboratories, centers and institutes in the University's Intercollege Research Programs.

"In pursuit of its research and development mission," Dr. Hettche said, "ARL has developed a broad base of technical competence in the areas of acoustics and vibration control, hydrodynamics and hydroacoustics, guidance and control, propulsors, signal processing, closed-cycle thermal power plants, systems analysis, materials science, and manufacturing technology."

See "ARL" on page 3

## Great Valley signs unique agreement with Europeans for doctoral study program

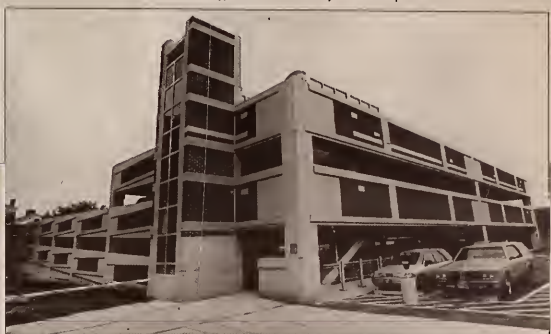
Penn State Great Valley and the College of Engineering have signed an agreement with the University of Wales Swansea that will allow students to earn a Ph.D. from a major European university on a part-time basis at the Great Valley site in suburban Philadelphia.

The agreement is unique nationally for several reasons: most international university collaborations focus on student exchanges. Under the Great Valley/Wales agreement, however, the Great Valley graduate campus becomes a surrogate of sorts, providing students with the preliminary course work necessary to qualify for the Wales Ph.D. program as well as on-going faculty support once they are enrolled.

The program's focus also is unique: though based in the U.S., students will earn a European Ph.D., following the more research-intensive structure common to European advanced degree programs.

See "International" on page 2

## HUB deck offers 307 more places to park



The new HUB parking deck on the University Park Campus is open for business.

Photo by Greg Grubbs

## New parking deck opens; brings more options to University Park

Finding a parking space on the core campus area of University Park just got a little easier for visitors with the opening of the new HUB parking deck this month.

The new parking facility, to be paid for from income generated by parking fees from visitors, faculty and staff, stands where a parking lot had been located between the HUB, Grange and White buildings. No state or tuition dollars were used to pay for the parking deck.

"The structure more than doubles the number of spaces that are available at that location and it is also going to have an impact on the parking pressures that previously existed on faculty/staff parking areas throughout the core campus area," according to David Stormer, assistant vice president for Safety and Environmental Services.

"With the addition of these visitor parking spaces in the HUB deck, we can now accommodate many people who previously had been directed to park in faculty and staff parking lots throughout the core campus area," Mr. Stormer said.

The new parking facility has 307 spaces. The number of faculty and staff spaces at that location has been increased to 95 and the number of spaces available for visitors has been increased to 212. Parking staff plan to monitor visitor usage of the facility and if there is less need for visitor parking than anticipated some of those spaces will be converted to faculty/staff parking spaces.

Visitors to the newly renovated bookstore, HUB eateries, the Placement Center, Ritenour, and Pollock and Centre residence halls will pay to park in the facility through the use of parking meters.

See "Parking" on page 3



### Safety device

A series of planters like this can be seen on Shortridge Road as part of a pedestrian safety measure aimed at reducing the danger to people crossing the street.

## DIVERSITY

### International

continued from page 1

"I don't know of any other program in the country like this one," said Joseph S. DiGregorio, associate dean, Commonwealth, Continuing and Distance Education and International Programs, College of Engineering. Officials at the Washington, D.C.-based Council of Graduate Schools confirmed that the collaboration is likely the first of its kind nationwide.

Its part-time focus also is a divergence from traditional Ph.D. programs, which - to complete in a timely basis - generally require students to interrupt their professional careers for full-time study and teaching duties.

"The traditional Ph.D. has historically been very difficult for working people to handle," David Russell, associate professor of computer engineering at Great Valley, said. Dr. Russell, a native of the United Kingdom, came up with the idea for the collaborative Ph.D. after several of

***It's an experimental, creative way to offer a Ph.D. at this campus ... it's a wonderful service to industry."***

Lawrence S. Cote  
Great Valley CEO

his software engineering students from area technology companies expressed an interest in continuing their post-master's degree education while remaining full-time employees.

The collaboration took three years to implement. University officials made several trips abroad to review University of Wales engineering programs, faculty and research. "We've put a lot of preliminary work into this program to ensure the quality of the student's experience," Dr. DiGregorio, said. "It will be a small program focusing on software engineering at first, and we will monitor it very closely to make sure it maintains that quality."

For Penn State Great Valley, which has become a premier site in the region for engineers seeking master's degrees, the program provides an alternative to sending students to another institution to continue their education. Though their degree will be granted by the University of Wales, not Penn State, students will complete their work at Penn State Great Valley, receive University faculty support and take pre-enrollment course work via Great Valley. Penn State, meanwhile, will have direct access to the cutting-edge research they produce.

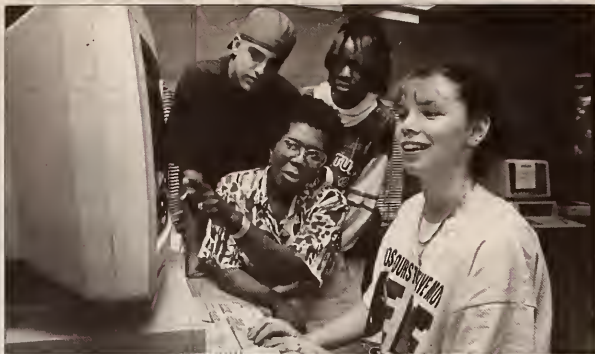
"It's an experimental, creative way to offer a Ph.D. at this campus," Lawrence S. Cote, tripmaster executive officer, said. "It's a wonderful service to industry, delivering a Ph.D. to research scientists who are fully employed."

W. Lamar Kopp, deputy vice president for International Programs; David N. Wormley, dean of the College of Engineering, and Lawrence C. Burton, head of the Electrical Engineering Department, also played key roles in implementing the program.

Founded in 1920, the University of Wales, Swansea is one of six constituent colleges of the University of Wales. Swansea has roughly 5,000 undergraduate, 675 graduate students and five engineering departments: chemical, civil, electrical and electronic, materials and mechanical.

—Nancy Holland

### Behrend's MAPP and WISE programs going strong



**Learning the ropes**

Patience Simmonds (center), assistant librarian at Penn State Erie, The Behrend College, teaches Minority Advance Placement Program students Asa Dreg and Luciana Sims, and Christina Smith, a Women in Science and Engineering (WISE) participant, how to do library research using CD-ROM disks.

Photo: Courtesy of the Office of Development and University Relations — The Behrend College

This summer, 40 Erie County high school students have been "mapping" plans for future success at Penn State Erie, The Behrend College.

The college's eight-week Women in Science and Engineering (WISE) program and Minority Advanced Placement Program (MAPP) offer local high school seniors an opportunity to learn first-hand what will be expected of them inside a university classroom.

MAPP addresses the need for greater retention of minority students, while WISE helps women interested in science and engineering careers get off on the right foot. Both programs offer the opportunity to take a free college course. Students take a minimum three-credit summer session class with regularly enrolled college students; if they receive at least a B in the course, they will be automatically offered admission to Penn State — Behrend for the following fall.

Students also receive special instruction in computer, library, and study skills, and Scholastic Aptitude Test preparation. Once a week they either visit Erie-area employers to learn about career options first-hand, or host an on-campus speaker from the Erie professional community.

MAPP/WISE has doubled in size since 1993 when it was inaugurated. Of last year's 20 participants, seven enrolled at Penn State-Behrend, while an additional four attended another Penn State location.

The program is free to participants thanks to a \$5,000 grant from the International Paper Company Foundation and support from the University's Equal Opportunity Planning Committee. In addition to tuition, students receive their books and a lunch and transportation stipend.

### Diversity teleconference slated for Sept. 8

"Diversity in Higher Education," a live interactive video conference that presents perspectives on how institutions can use diversity initiatives to build community relationships, will be held from 1 to 2:30 p.m. on Sept. 8 in the Keller Building on the University Park Campus.

The teleconference, hosted by the State College Office of Continuing and Distance Education, the Office of Human Resource Development, and the Chamber of Business and Industry of Centre County, will help higher education administrators learn how to create joint efforts with corporations and build community outreach and work force education programs. When shared and adapted, these diversity initiatives can empower local groups to build upon each other's efforts rather than work separately toward similar goals.

This satellite seminar features presentations by distinguished panelists, many of whom have experience in both academic and corporate environments. The broadcast includes vignettes from the ground-breaking video training series "Valuing Diversity" and a profile of Dundalk Community College, which built a highly successful diversity program in Baltimore through creative ventures with local high schools, four-year institutions, community organizations, and corporate partners. Audiences at sites throughout the country will participate by phoning in faxing in questions and comments for the panel to address on the air.

For more information or to reserve a space, call Tiffany Shultz at (814) 863-0229.



## ARL

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Recognized as a center of technical excellence in undersea technology, ARL also is continually involved in educational activities through the teaching efforts of its staff and by sponsoring and supervising both graduate and undergraduate student thesis research.

"The Navy, the University, the research faculty, and the students all benefit from collaborative research within a major university's multidisciplinary resources," Dr. Hetche added. "ARL brings to this collaboration advanced research capabilities and real-world research problems."

According to Leonard L. Holliday, assistant professor of engineering research and anniversary committee chairman, activities on Saturday, Aug. 20, will include tours of the Applied Science Building (Main Lab), the Water Tunnel Building, Research Building West (formerly the Foods Building), and the new ARL Building. There will be displays of new and historical equipment, and photo displays of ARL employees in action through the years.

A picnic for ORL/ARL alumni and employees will be held Saturday afternoon at the Civil Engineering Campus at Stone Valley Recreation Area. The observance will conclude with an informal farewell brunch on Sunday, Aug. 21, at the Elks Country Club in Bonisburg.



Eric A. Walker

### CARPPOOL

Wanting to carpool from Philipsburg to University Park. Work hours 9 a.m. to 6 p.m. Call BJ at 865-9503 or 342-7146.

Would like to carpool from Centre Hall to University Park. Work hours are 8 a.m. to 5 p.m. Monday through Friday. Call Kelly, 865-3437.

## Transportation Institute receives \$1 million grant

Using touch-tone phones or self-service terminals to renew drivers' licenses and vehicle registrations; turning old highways into "new" retaining walls, and sparking economic growth and development through scenic byways are just a few of the research projects a recent \$1 million grant from the Federal Highway Administration and the Federal Transit Administration will help to support at the Mid-Atlantic Universities Transportation Center (MAUTC), a consortium based at the Pennsylvania Transportation Institute (PTI) on the University Park Campus.

The \$1 million grant, MAUTC's seventh \$1 million grant since the center was established in 1987, will be matched by funds received from nonfederal sources. Penn State, the lead university of the five-member MAUTC consortium, will receive half of the grant, and the other half will be distributed among the remaining consortium members—the University of Pennsylvania, the University of Virginia, Virginia Polytechnic Institute and State University, and West Virginia University.

"The funds are used to support transportation-related research, education, and technology transfer," says James H. Miller, associate professor of business logistics, PTI research associate, and director of MAUTC.

MAUTC, which is part of PTI's Transportation Operations Program, is one of 13 centers in the University Transportation Centers Program (UTC), a nationwide effort initiated by the U.S. Department of Transportation in 1987.

"UTC's primary mission is to advance technology and expertise in all aspects of transportation," says Dr. Miller. "However, the centers also are an investment in the future generation of transportation professionals. Through the participating universities' research, undergraduate, and graduate programs, we are educating and training individuals to be leaders in the industry."

Dr. Miller says that one of consortium's key strengths is recognizing that effective transportation professionals need to understand the technical as well as the managerial aspects of the profession. With this philosophy in mind, the consortium established the Institute for Advanced Studies in Transportation Engineering and Management (TeaM) as its educational foundation at Penn State.

"TeaM provides undergraduate and graduate students with financial support while they earn degrees in either civil engineering or business logistics," explains John M. Mason Jr., professor of civil engineering and director of TeaM.

"The interdisciplinary TeaM curriculum enables students to understand the economic investment required to

build and maintain the nation's complex transportation infrastructure. It also prepares them to deal with engineering and management issues that affect vehicles traveling on the transportation system and people operating and maintaining the system."

MAUTC is currently involved in more than 30 active research projects, the largest portion of which are in cooperation with the Pennsylvania Department of Transportation (PennDOT).

"The partnership gives our students a real-world environment in which to conduct research and also enables the consortium to work with state and local governments in meeting the transportation needs of Pennsylvania and the region," says Dr. Miller. "As for PennDOT, they have direct access to PTI's resources and expertise, making it possible for them to respond to critical issues in a timely manner."

Decentralizing vehicle registration and licensing (which involves evaluating six pilot decentralization programs throughout the state) and developing plans to "map out" historic or tourist areas along Pennsylvania roads are two partnership projects currently under way.

"We are also evaluating the AMTRAK passenger service between Philadelphia and Harrisburg," says Dr. Miller. "We are conducting a marketing study to determine who uses the service, what current riders think of the service, and how it can be improved. The goal is to be more responsive to riders' needs." The partnership also is developing procedures for designing and constructing retaining walls using concrete slabs removed from existing highways that are undergoing repair or reconstruction.

"We're recycling old roads," says Shelley M. Stoffels, assistant professor of civil engineering and PTI principal investigator of the project. "Compared to conventional methods, stacking already existing slabs along banks appears to be a more efficient, economical, and faster way of constructing retaining walls. It is also an energy-efficient way to recycle the old highway slabs."

"MAUTC's interests range from highways, air, and rail, to administration, human resources, and policy," says Dr. Miller. "In the year ahead, we hope to strengthen our ties with local, state, and federal agencies and plan to continue providing a well-rounded program of transportation research, education, and technology transfer."

## Parking

continued from page 1

Visitor parking is on the lower levels of the facility and faculty and staff are assigned to the upper level of the parking deck.

"We wanted to be able to move the high volume of temporary visitor traffic and use the facility as quickly and easily as possible so they will be parking closer to the entrance

"Several faculty and staff have commented that their parking should be on the lower levels of the deck," Mr. Stormer said. "But, if faculty and staff parking were on the lower level near the entrance/exit, the visitors entering the structure would likely park in the first available space. The result is a faculty/staff parking space taken and a visitor to the University getting a parking ticket — both negatives we would like to avoid."

Some additional faculty and staff may be offered a chance to park in the HUB facility later in the fall semester when visitor parking needs tend to decrease.

In addition to the new parking deck, another change will be evident on Shortidge Road where a series of large planters have been placed in the center of the roadway. The planters are a pedestrian safety measure aimed at reducing the danger to people crossing the street. During the past five years, eleven pedestrians have been hit by vehicles on this section of road. "We worked with professional consultants and students involved in some of the University's civil engineering classes to design a system that will provide a pedestrian safety zone and reduce traffic speed in the area," Mr. Stormer said.

"The new parking decks near Eisenhower Auditorium and near the Nittany Lion Inn, combined with the HUB deck, are helping us to cope with ever-increasing number of faculty, staff, students and visitors who are driving on campus. There are still some areas of campus that could use more parking spaces. We will continue with our plan to expand parking facilities as additional funds are generated through visitor and employee parking fees.

"Unfortunately, despite efforts to encourage staff, students and others to carpool or use public forms of transportation, the demand for parking spaces has increased rather than

*"If faculty and staff parking were on the lower level near the entrance/exit, the visitors entering would likely park in the first available space. The result is a faculty/staff parking space taken and a visitor getting a parking ticket — both negatives we would like to avoid."*

David Stormer

assistant vice president for Safety and Environmental Services

and exit of the deck," Mr. Stormer said. "Employee vehicles, which tend to be parked for nine or more hours before being moved, are being parked farthest from the entrance/exit to the deck."

## LEADERSHIP PROFILE



Wayne D. Lammie, CEO, stands in front of the newly constructed Ciletti Memorial Library at Schuylkill Campus.

**T**HERE WAS A CERTAIN AMOUNT OF SKEPTICISM IN ADMINISTRATIVE CIRCLES AT UNIVERSITY PARK WHEN IN 1961 THE SCHUYLKILL CAMPUS INITIATED ITS FIRST CAPITAL CAMPAIGN.

"After all, the campus was in an economically depressed anthracite coal region, and the prospects of Old Main ever having to come up with a half million dollars in matching funds seemed pretty remote," CEO Wayne D. Lammie recalls.

The campus surprised everyone, however, by raising \$686,000 for a Student/Community Center, and the matching funds helped provide hot food service, an auditorium and a bookstore.

"Because we are the only comprehensive post-secondary institution in our service area, we have tremendous community support," Dr. Lammie says. "Local pride and spirit also helped us build our residence apartments and the new library that we will open later in the fall."

In the case of the apartment complexes, the Campus Advisory Board actually assumed responsibility for the financing as a non-profit corporation.

"They convinced the county commissioners to float a bond issue, with the proceeds providing a loan to the Advisory Board. That allowed us to get a low enough interest rate to finance the housing through rental income," Dr. Lammie explains. "We

started with a single unit, each apartment having two bedrooms and a full kitchen. The approach was so successful that we decided to build two additional three-bedroom units.

"The residences can house 176 students, and after their completion, we were able to close a dormitory we had created in a renovated federal anthracite research laboratory. Among its shortcomings was the fact that students had to cross a busy state highway to reach the campus."

The campus turned to the community again in 1986 to raise funds for a new library. This time the campaign netted \$1 million, and the state contributed \$1.6 million.

"The library will be named for Frederick M. Ciletti," according to Dr. Lammie. "Fred spent 16 years at Schuylkill and then served as special assistant to the president for governmental affairs until his retirement in 1965. He helped secure the state appropriation for construction of the library and with his wife, Helen, established an endowed scholarship at the campus."

The reading room of the Ciletti Library rises two stories and has been designed around a painting that will remind viewers of the county's history.

The painting is by George Luks, one of the founders of "The Ash Can School," a group of eight painters who directed American art at the end of the last century toward more realistic portrayals of contemporary life.

## WAYNE D. LAMMIE

### STRONG COMMUNITY TIES ARE KEY TO SCHUYLKILL'S SURVIVAL

BECAUSE SCHUYLKILL IS THE ONLY COLLEGE CAMPUS IN THE AREA, ITS ACADEMIC CURRICULUM IS DESIGNED TO SERVE THE BROADEST POSSIBLE CLIENTELE.

The work depicts Necho Allen, who is said to have discovered coal in the anthracite region.

The 12 x 14-foot oil was donated to the campus by Pennsylvania National Bank & Trust Company, a subsidiary of Keystone Financial, Inc.

In Dr. Lammie's office a quite different work of art recalls the history of the campus. It is a reproduction of a view of the red brick buildings and neatly tended fields of the Schuylkill County Almshouse in 1881, by an itinerant painter, Charles C. Hofmann, then in residence there.

The campus, which was established in 1934 as the Pottsville Undergraduate Center, moved from a Pottsville School District building in 1967 to its present site, that of the charity hospital and rest home that replaced the Almshouse. In the remodeled classroom building, the arrangement of the original hospital wards is still reflected in the disposition of the various science laboratories.

"The present library is in the basement of the building," Dr. Lammie says, "and our librarian jokes that he's working in the morgue."

Because Schuylkill is the only college campus in the area, its academic curriculum is designed to serve the broadest possible clientele. About 1,080 students attend classes, and roughly one third of them are non-traditional students, the mean age being 24. About 85 percent of the students commute.

Among the brochures the campus employs to assist in student recruitment is one devoted to faculty research.

"We are very proud of the scholarly activities of our faculty," Dr. Lammie says. "Last spring, for example, a member of our English Depart-

ment, Charles Cantalupo, put together an international conference of more than 150 scholars. Held at Berks, the conference dealt with a number of the social, cultural, economic and political issues central to the East African experience, and, in particular, with the works of the area's most distinguished writer, Ngugi Wa Thiong'o.

"Schuylkill sponsors both a performing arts series and a lecture series," Dr. Lammie continues, "and both are open to interested members of the community. When community leaders try to attract business and industry to this area, it's important for them to be able to tell newcomers that they will have access to the intellectual and cultural resources of the campus."

Dr. Lammie personally exemplifies these close campus-community ties. Last year, for example, he turned his fund-raising efforts to the Schuylkill County United Way Campaign. Under his chairmanship, the drive set a goal considerably higher than the previous year's and then went on to surpass even that.

Before taking over the reins at Schuylkill, Dr. Lammie was at Penn State Shenango from 1966 to 1978, serving as an assistant professor of history and associate director for Academic Affairs.

He earned a bachelor's degree from Muskingum College, a master's from the University of Pittsburgh, and a doctorate from Ohio State, all in history.

Dr. Lammie is an enthusiastic tennis player — he points out that since the campus has four courts a game takes less time than golf. He and his wife, Mary, have two daughters, Christine and Jennifer, both of whom attended the Schuylkill Campus.

PENNS STATE





## Faculty Staff Alerts

### HIV/AIDS Regional Workshops

Faculty, staff and students at Commonwealth Campus locations, Penn State Harrisburg and Penn State Erie, The Behrend College, are invited to participate in "HIV/AIDS: Spread Facts, Not Fear" regional workshops aimed at extending Penn State's "You Can Ask Me About AIDS" Network throughout the University.

The workshops will be held from 9 a.m. to 3 p.m. at Beaver Campus Sept. 8; Great Valley Graduate Center, Sept. 21, and Hazleton Campus, Sept. 22. There will be no fee for the workshops. The programs are jointly sponsored by the HIV/AIDS Education Consortium, Equal Opportunity Planning Committee, Office of Human Resources and University Health Services.

Informational brochures with registration forms will be available at all campuses through the offices of Student Affairs and Business Services. In addition, registration may be handled through the Human Resource Development Center Fall Course Schedule (see Wellness, Health and Safety courses). The registration deadline for the Sept. 8 workshop at Beaver Campus is Sept. 1.

The "You Can Ask Me About AIDS" Network consists of faculty, staff and students who have agreed to serve as resource and referral people for members of the Penn State community in the area of policy, education, prevention, HIV testing, treatment and other needs related to HIV/AIDS. The "Spread Facts, Not Fear" workshop will provide informa-

tion and skills to enable participants to become members of the network and to help the network become established at their campus.

The workshops are open to any interested student, faculty or staff member, but are particularly designed for those in health service, student affairs, business services, human resource and/or student leadership positions. For additional information, contact Nancy Sassano, coordinator of Faculty/Staff Health Promotion, at (814) 865-3085 (nerl@psuadmind or nerl@oas.psu.edu) or Jeff Kemp, Office of Health Promotion and Education, at (814) 863-0461 (jlk15@psu.edu).

### HRDC courses

The following courses are being offered at University Park by the Human Resource Development Center. For additional information, call 814-865-8216, or refer to the HRDC Fall 94 Course Schedule.

■ **HIV/AIDS: Spread Facts Not Fear** Purpose of this workshop is to prepare faculty and staff to become members of Penn State's "Ask Me About AIDS" network, providing resource/referral information to members of the Penn State community on a voluntary basis. Meets Monday, Sept. 12, from 1 to 4 p.m. in 319 Rider; cost: none.

■ **Using Electronic Database: Accessing LIAS from Your Home or Office** A general introduction that enables participants to access LIAS remotely using the Internet or dial-access.

Meets Monday, Sept. 12, from 1 to 3 p.m. in Tower Room 402, Central Pattee Library; cost: none.

■ **Penn State Libraries Catalog in LIAS** Provides an overview of the Penn State Libraries Catalog in LIAS and provides hands-on practice in applying LIAS searching techniques. Meets Tuesday, Sept. 13, from 10 a.m. to noon in Tower Room, 402 Central Pattee Library; cost: none.

■ **The Art of Effective Negotiation** Provides information, tools, and techniques for conducting effective negotiations. Emphasizes how an organization can realize improved efficiencies through effective negotiations. Meets Monday, Sept. 19, from 9 a.m. to 4 p.m. in 319 Rider; cost: \$55.

■ **Introduction to Windows 3.1** Participants will learn basic operations and Windows navigation through hands-on training. They also will be able to customize their own Windows environment. Meets Wednesday and Friday, Sept. 21 and 23, from 9 a.m. to noon in 116 Wagner Building.

■ **Designing and Delivering Oral Presentations, I** Provides the principles and skills for creating powerful oral presentations from concept to delivery; thematic development, use of visuals, and delivery considerations are all addressed. Meets Friday, Sept. 23, from 8:30 a.m. to noon in 319 Rider; cost: \$35.

■ **Designing and Delivering Oral**

**Presentations, II** Provides the opportunity for constructive review of a presentation created and delivered by the participant using the skills discussed in level I of this course. A videotape of each participant's presentation provides the basis for the feedback. Meets Friday, Sept. 30, from 1:30 to 4:45 p.m. in 319 Rider; cost: \$40 (includes videotape).

■ **Introduction to IBIS** Designed to enable new users to use IBIS (Integrated Business Information System). Meets Monday, Sept. 26, from 1 to 4 p.m. in 116 Wagner; cost: \$40.

■ **Powerful Communication Skills** Provides participants with skills and strategies for developing a more powerful communication style. Focuses on components of confident communication and provides examples of passive, assertive, and aggressive behavior. Meets Monday and Tuesday, Sept. 26 and 29, from 1:15 to 4:45 p.m. in 319 Rider; cost: \$55.

■ **Introduction to DOS 6.1** Participants will learn how to set up a user environment and work with the basics of DOS commands. Meets Wednesday, Sept. 28, from 9 a.m. to 4 p.m. in 116 Wagner Building; cost: \$90.

■ **Using EMC2/TAO** Designed to enable participants to use the electronic mail system supported by the Office of Administrative Systems (OAS). Meets Friday, Sept. 30, from 9 a.m. to noon in 116 Wagner; cost: \$40.

### An "eggs-act" science



Future engineering students (above, l-r) Dave Randall, of State College, Carl Sokalski, from Valley High School in New Kensington, and Jordan Welsh, from Tyrone Area High School, learn some of the basics of engineering during VEC-Tour '94—a summer program offered by the College of Engineering's Leinhardt Center. During the one-week program, already-enrolled Penn State undergraduates work with high school students and other college students on projects that involve mathematical, scientific, creative and team building skills. In the exercise shown in these photos, students were asked to construct a vehicle that could safely carry an egg around a pole without damaging its cargo or knocking a ball from its perch on top of the pole.

Photos: Greg Grieco

### OBITUARIES

William Francis Ackerman, former editor of the Penn State *Faculty Bulletin*, died July 1. He was 78.

He graduated from Carnegie Tech in 1936 with a bachelor of science degree in engineering. He received his master of science degree in agricultural engineering from Penn State in 1940.

Mr. Ackerman remained at Penn State and became an assistant professor of agricultural engineering in 1947. He became a news assistant in the Department of Public Information in 1948, where he remained for his professional career.

While at Penn State, Mr. Ackerman was the editor of the *Faculty Bulletin*, now called the *Intercom*, until his retirement in 1978.

Dorothy H. Hauser, patient care secretary, Hershey Medical Center, from July 17, 1978, until her retirement Sept. 16, 1989; died June 25 at the age of 65.

Charles W. Huston, business manager, Penn State Ogontz Campus; from Sept. 1, 1969, until his retirement Nov. 1, 1979; died June 24 at the age of 80.

Helen M. Lowe, residence hall worker, Housing and Food Services; from July 1, 1956, until her retirement April 1, 1976; died May 9. She was 81.

Norman H. Rice, janitorial worker, group leader, Office of Physical Plant; from Jan. 1, 1950, until his retirement April 1, 1980; died July 5 at the age of 79.

Michael F. Saxa, maintenance worker, utility, Penn State Hazleton Campus; from Nov. 22, 1971, until his retirement Nov. 24, 1984; died June 25. He was 79.

## News in Brief

### Mid-Atlantic ecotour

Shaver's Creek Environmental Center at Penn State is sponsoring an "ecotour" to a number of mid-Atlantic coastal spots on Sept. 9-11.

Highlights of the ecotour, which is open to any interested person, include:

- A visit to Blackwater National Wildlife Refuge, Cambridge, Maryland; a trip to the Marine Science Consortium at Wallops Island, Virginia, where participants will go out on a 40-foot research vessel for netting, birding, and possibly dolphin-watching; an afternoon exploring Chincoteague and Assateague Islands, and birding at Cape Henlopen State Park and Bombay Hook National Wildlife Refuge, both in Delaware.

Participants will leave Shaver's Creek Friday morning, Sept. 9, and return Sunday evening, Sept. 11. The fee—\$289—includes transportation, most meals, and dormitory-style overnight accommodations. The deadline to register is Sept. 1. For more information, contact John Drummond of Shaver's Creek at (814) 863-2000 or (814) 667-3424.

### Scenic walks

The Nittany Normals Volkswarm Club of State College is sponsoring two self-guided 10-K walks on Saturday and Sunday, Aug. 20 and 21, at Stone Valley Recreation Area. The walks are noncompetitive and open to the public.

The walks are along well-marked hiking trails, unmarked roads and country roads. Registration for both days is anytime between 8 a.m. and 2 p.m. at the Picnic Pavilion in the Day Use Area. Participants can pick up start cards and trail information at registration.

There is no registration fee, although a small fee may be charged for those participating in the Achievement Awards program and receiving pins or colorful patches for walking certain distances. The event is sanctioned by the American Volkswarm Association, a member of the International Federation of Popular Sports, which promotes leisure sports in the interest of health, recreation, fun and companionship.

### Study subjects sought

Normal weight men and women are needed for a feeding study being conducted in the Nutrition Department at University Park. The study involves coming to the Food Intake Laboratory (108 Benedict House) for a mid-morning serving of yogurt twice a week for nine weeks, and then coming to the laboratory for three lunch meals over the course of the following two weeks.

Volunteers must be healthy, non-dieting, non-smoking men and women between the ages of 18 and 40. Participants will be compensated for their time. If interested, please call Victoria Hammer, at 863-8482, 9 a.m.-4 p.m., by Sept. 1. Principal investigator: B. J. Rolls.

### Faculty Staff Club

The Faculty Staff Club will re-open for lunch at 11:30 a.m. Thursday, Aug. 25. The club is located in the Penn State Room, Nittany Lion Inn, at University Park. During nice weather, club members will have the option of enjoying their lunches on the patio.

The lunches are served buffet-style and cost \$4.99 (\$7.00 if paid with cash) including tax, tip and gratuity. The club will offer lower fat and calorie selections daily. Club members should make sure they have sufficient balances in their accounts. Those wishing to add to their balance should send a check along with their Penn State ID number to Faculty Staff Club, Housing and Food Services Building.

For information about joining the club, contact any of the club officers listed under "Faculty Staff Club" in the Penn State Faculty/Staff Directory.

### Satellite roundtables

Two interactive satellite roundtables on "The Media Race: Jockeying for Position" will be presented Thursday, Sept. 29.

The first roundtable, chaired by former FCC Chairman and Washington communications lawyer Richard Wiley, will be composed of top business executives from electronic media, telecommunications and computing. Focusing on current developments in technology, business and regulation, it will originate from the studios of Merrill Lynch in New York City, and run from 1:30 to 3 p.m.

The second roundtable, chaired by School of Communications Dean Terri Brooks, will consist of experts in communications education, including Everett E. Dennis, executive director of the Freedom Forum Media Studies Center in New York City. It will discuss what the first panel's conclusions will mean for the future of communications education. It will originate from the Penn State Scantion Hotel and Conference Center and will run from 3:15 to 4:45 p.m.

The roundtable program is co-sponsored by AT&T and Merrill Lynch & Company. For additional information, contact Richard D. Taylor, Palmer Professor for the future of communications education. It will originate from the Penn State Scantion Hotel and Conference Center and will run from 3:15 to 4:45 p.m.

### Fellowship applications

Applications for Institute for the Arts and Humanities Studies Faculty Research Fellowships, for which research or creative work will be accomplished during the period January through June 1995, are due at Ihlseng Cottage at University Park by 5 p.m. Monday, Oct. 3. For further information or a copy of the guidelines, call the Institute at 865-0495.

## PARTINGS

Annette R. Charlton, lecturer, Penn State Erie, The Behrend College, from Sept. 1, 1982, until June 1.

Lawrence E. Croake, instructor, Penn State New Kensington, from Sept. 1, 1966, until July 1.

James H. Donachy Jr., biomedical fabrication technician, Hershey Medical Center, from Dec. 21, 1981, until July 30.

Dorothy M. Matinchek, janitorial worker, Penn State Harrisburg, from April 14, 1980, until June 25.

Alfred G. Godissart, lead groundskeeper—golf course, Auxiliary Recreation, from Sept. 1, 1963, until June 25.

Katrina G. Rohrer, food production worker B, Penn State Mont Alto, from Jan. 4, 1974, until June 25.

Barbara R. Crowley, staff assistant V, Bookstore, from Nov. 13, 1978, until June 30.

Mary E. Dorman, residence hall worker, Housing and Food Services, from Jan. 6, 1977, until July 1.

Daniel Maier-Katkin, professor, Law and American Studies, Liberal Arts, from Sept. 1, 1972, until July 1.

Barbara J. Smith, residence hall worker, Housing and Food Services, from Sept. 10, 1976, until July 1.



## TEAM UPDATE AND PROGRESS

### College of Engineering Continuous Quality Improvement Efforts

In the clock of summer 1994, engineering faculty, staff, and students gather to review, evaluate and recommend improvements to key processes within the college. Six Continuous Quality Improvement teams are studying graduate student recruitment, recruitment and retention of women and minorities in engineering, the preparation of promotion and tenure dossiers, the college's interaction with industry, and assessment of engineering educational programs. A June workshop in CQI principles and practices, conducted by Ted Brown of DuPont's Continuous Improvement and Quality Management Center, kicked off the team meetings. The following details the progress of two of the engineering teams.

### Graduate Recruiting CQI Team

A Graduate Recruiting team aims "to prove the efficiency of the identification, recruitment and admission process in the engineering departments for graduate students with the goal of enhancing the quality and diversity of the college's graduate student population." In initial discussions, the team of faculty, staff, and a graduate student considered the elements of a graduate student's choice of university to attend, such as availability of financial support and the strength of the college's graduate programs.

With the return of students and faculty for Fall Semester, the team will gear up data collection activities. The team will survey graduate students—applicants offered financial support but who chose another institution and those who opted to attend Penn State—to determine the factors that influenced their decision.

The team expects its CQI efforts to carry through the 1994-1995 academic year. Michael M. Reischman, associate dean for research and graduate studies, is team sponsor. Larry Burton, head of the Electrical Engineering Department, is the team leader, and Deb Hamilton of the Office of Judicial Affairs, is team facilitator.

### Women in Engineering

The Women in Engineering team has considered the many aspects of recruitment and retention of women students and has discussed the question, "Why is it important to dramatically increase the number of women in engineering at Penn State?" In its initial meetings, the team narrowed its focus to the recruitment of high school seniors to Penn State engineering and the retention of these women through their freshman and sophomore years. As one of its first actions, the team assembled data detailing current enrollments (at Penn State and other engineering leaders) and retention and graduation rates. It reviewed the processes involved in attracting and retaining women students. Now the team, composed of faculty and students, will identify those processes and methods the college can improve.

The team has targeted May 1995 for completion of major activities. Dean of Engineering David Wornley is team sponsor and Allen Soyester, head of the Industrial and Management Systems Engineering Department, is team leader. Bob Barlock, of the Office of Planning and Analysis, is team facilitator.

For more information, please contact the CQI Center, 863-6721; Louise Sandmeyer, executive director; Carol L. Everett, assistant director





A lion looking Nittany Lion after vandals stole an ear.

# Operation deemed a success!

## Earless lion shrine gets needed repair

After vandals broke the right ear off the 52-year-old Nittany Lion statue at University Park, sculptor Vincent Palumbo was called in to remake and reattach the lost appendage. In late July, Mr. Palumbo, a protégé of original statue sculptor Heinz Warneke, brought a lion ear he had roughed out in his Maryland studio and cemented it to the existing statue. The eight-hour operation appears to have been a success, with the Nittany Lion now sporting two ears.



Sculptor Vincent Palumbo pounds the new ear into place.



A heavy coating of adhesive was needed to keep the ear in place.

Photos: Scott Emquist

## Fall course offerings

The following computer courses are joint offerings of Human Resource Development Center, the Center for Academic Computing and the Office of Administrative Systems. The courses are held in room 116 or 117 Wagner Building at University Park. To register for one of these courses complete the registration form found in the *HRDC Course Schedule for Fall 1994*. The *HRDC Course Schedule* will be mailed late August. Course descriptions and costs can be found in the brochure as well. For additional information about the content and prerequisites of the courses call Debbie Lippman at 863-7491.

### ADMINISTRATIVE TOPICS

- Using Emc2/TAO (IBM)  
Sec 1: Sept. 30 9 a.m. - noon Fri.
- Using the RMSDS (IBM)  
Sec 1 Oct. 10 1-4 p.m. Mon.
- Introduction to IBIS  
Sec 1: Sept. 26 IBM 1-4 p.m. Mon.  
Sec 2: Oct. 26 IBM 9 a.m. - noon Wed.
- Sec 3: Nov. 2 Mac 9 a.m. - noon Wed.
- Sec 4: Nov. 22 IBM 1-4 p.m. Tue.
- Intermediate IBIS (IBM)  
Sec 1: Dec. 20 9 a.m. - noon Tue.
- Introduction to ISIS (IBM)  
Sec 1: Oct. 3 1-4 p.m. Mon.
- IBIS AIDA (IBM)  
Sec 1: Nov. 11 9 a.m. - noon Fri.
- IBIS Financial Forms (IBM)  
Sec 1: Nov. 7 1-4 p.m. Mon.
- Using the SecurID Card and Net-Pass  
Sec 1: Dec. 8 1-4 p.m. Thu.
- Using ISIS AIDA (IBM)  
AIDAR (student registration)

- Sec 1: Sept. 30 1-4:30 p.m. Fri.
- Sec 2: Nov. 2 1-4:30 p.m. Wed.
- AIDAE-OER (official enrollment)  
Sec 3: Oct. 7 8:30 a.m. - noon Fri.
- Sec 4: Nov. 22 8:30 a.m. - noon Tue.
- AIDAE-RPM (Retention, Progression, Mobility)  
Sec 5: Oct. 14 8:30 - noon Fri.
- Sec 6: Dec. 5 1-4:30 p.m. Mon.
- AIDAE-IAR (Instructional Activity)  
Sec 7: Oct. 28 8:30 a.m. - noon Fri.
- Sec 8: Dec. 16 8:30 a.m. - noon Fri.

### IBM TOPICS

- Introduction to DOS  
Sec 1 Sept. 28 9 a.m. - 4 p.m. Wed.
- Sec 2: Nov. 21 9 a.m. - 4 p.m. Mon.
- Intermediate DOS  
Sec 1: Jan. 18 9 a.m. - 4 p.m. Wed.
- Introduction to Windows  
Sec 1: Sept. 21, 23 9 a.m. - noon Wed, Fri.
- Sec 2: Nov. 2, 4 9 a.m. - noon Wed, Fri.
- Intermediate Windows  
Sec 1: Jan. 11 9 a.m. - 4 p.m. Wed.

- Introduction to Excel  
Sec 1: Oct. 5 9 a.m. - 4 p.m. Wed.
- Sec 2: Nov. 9 9 a.m. - 4 p.m. Wed.
- Intermediate Excel  
Sec 1: Dec. 7 1-5 p.m. Wed.
- Introduction to Lotus DOS & Windows  
Sec 1: Windows, Oct. 31 9 a.m. - 5 p.m. Mon.
- Sec 2: DOS, Nov. 14, 16, 18 9 a.m. - 5 p.m. MW.
- WordPerfect for DOS & Windows  
Sec 1: Windows, Oct. 17, 19, 21, 8 a.m. - noon, MW.
- Sec 2: DOS, Oct. 24, 26, 28, 1-5 p.m., MW.
- WordPerfect for DOS Macros  
Sec 1: Nov. 30 8 a.m. - noon Wed.
- Word for Windows Complete  
Sec 1: Dec. 5, 7, 9 8 a.m. - noon MW.
- PageMaker Complete for Windows  
Sec 1: Oct. 17, 19, 21 1-5 p.m. MW.
- Introduction to Compel (IBM)  
Sec 1: Nov. 28 1-5 p.m. Mon.
- Computer Presentations with Power-Point  
Sec 1: Nov. 16, 18 9 a.m. - noon Wed & Fri.

### MACINTOSH TOPICS

- Introduction to the Macintosh  
Sec 1: Oct. 20 9 a.m. - 4 p.m. Thu.
- Sec 2: Dec. 14 9 a.m. - 4 p.m. Wed.
- Word Complete  
Sec 1: Oct. 3, 5, 7 1-5 p.m. MW.
- Excel Complete  
Sec 1: Oct. 24, 26, 28 1-5 p.m. MW.
- Introduction to filemaker Pro  
Sec 1: Nov. 16 1-5 p.m. Wed.
- PageMaker Complete  
Sec 1: Oct. 31, Nov. 2, 4, 1-5 p.m. MW.
- Intro to Macromedia Director for Macintosh and Windows  
Sec 1: Nov. 7, 9, 9 a.m. - 4 p.m. Wed & Fri.
- Computer Presentations with Power-Point  
Sec 1: Oct. 19, 21 9 a.m. - noon Wed & Fri.
- Photoshop  
Sec 1: Nov. 21 9 a.m. - 4 p.m. Mon.

# The ARTS

AT PENN STATE

## Ukrainian artist's exhibit

The HUB Art Gallery at University Park is featuring an exhibition by top Ukrainian artist Mykola Kumanovsky through Aug. 25.

Mr. Kumanovsky, a metaphorical symbolist, paints cyclical works conveying central themes of pilgrimages and other guests of the soul. The artist also does etchings, pen and ink drawings, pencil drawings and sculpture.

"My only aim (in his work) is to see what kind of response people have." (Even though he can't speak English) With Americans, I can talk (through art) about the individual soul and the spiritual experiences of every person. My works themselves are laying bare the soul. I want to see if I can make contact with audiences here (in America), too."

Mr. Kumanovsky is from Sotani, a small western Ukrainian town along the Sbrach River near what used to be the border between Poland and the Soviet Union in the Volynia Province. A professional artist since 1971, he studied at the Lviv School of Fine Arts and the Lviv Institute of Art. While in America, he will serve as artist in residence at Penn State. His visit is sponsored by the Department of Slavic and East European Languages and the School of Visual Arts. The HUB Gallery is located on first floor HUB Building on the University Park Campus. Hours are noon to 8 p.m. Tuesday through Thursday; noon to 4 p.m. on Friday and Saturday; closed on Sunday and Monday.

## Photography exhibit

Marc Levey and I. Jeanne Miller are holding an exhibition of their photography in Pattee Library's East Corridor Gallery through August.

The images on exhibit involve present mainstream photographic practices with several experimental techniques and materials. Several images are laser scanned and printed on a new type of polyester material that is near archival permanence. Other images involve a process that begins with a color slide that is abstracted from one to several generations. Then the image is scanned and printed from a Xerox 5775 laser copier.

Mr. Levey has been teaching Photography for 25 years. He has also led East African photo safaris; European photo tours; and a number of photo shoots of birds of prey, wolves, and big cats of North America. He has written many articles and seven photographic books, including *The 35mm Film Sourcebook*, *The Art of Autogenic Photography*, *Thinking in the Photography Idiom*, and *The Photography Textbook*. Currently, he is writing books on expressive flower photography and a guide to the world's 25 most visited cities.

Ms. Miller, a 1948 graduate of Penn State with a bachelor of arts degree in home economics, began her artistic career as a portrait painter. She later turned to photography provided her with expanded outlets for her expres-

sion. Recently, she has shown her work at the HUB and one of her photographs was selected for the cover of the 1994-95 Penn State University Alumni Association calendar.

## Computer art

Steve Thompson is holding an exhibition of his computer art in Pattee Library's Lending Services Gallery through August. The works on display were generated from fractals and/or photographs.

Mr. Thompson of Sunnyside, Northumberland County, is a student at Penn State working on two bachelor of arts degrees, one in mass communication-international, and the other in integrative arts.

## "A Day in Germany"

"A Day in Germany," an exhibition of photography from "new Germany," will be held in Pattee Library's East Corridor Gallery Sept. 1-30. This exhibition is on loan from the Goethe House in New York.

On June 26, 1992, the internationally-renowned German magazine *GEO* sent photographers to 39 places in Germany. The photographers were given a full day to capture the diversity of places like "Volkswagen City" Wolfsburg to the traditional university town Tübingen, and sought to present a colorful picture of daily life in the heterogeneous society that makes up modern Germany. The Goethe-Institut selected a representative collection of 48 of the most interesting photographs for an international traveling exhibition.

## Watercolors of Pennsylvania

Sophy Richmond is holding an exhibition of her watercolors of Pennsylvania and the Grand Canyon in Pattee Library's West Lobby Gallery through Sept. 15.

Ms. Richmond received a bachelor of science in drawing and printmaking from Portland State University in 1984 and a bachelor of fine arts in ceramics from the University of Oregon in 1986. She later moved to Pennsylvania and began teaching art at the Hetzel Union Building's Art Center, Cambria County Community Arts Center, and several community school programs in Johnstown. She is a member of the Susquehanna River Arts Center in Clearfield and the Arts Alliance in Lemont.

## Lending Services Gallery

Heleni Inkas Martemucci will hold an exhibition of her photography titled "Fragments of Prague" in Lending Services Gallery of Pattee Library at University Park in September.

Ms. Martemucci is a photography graduate student in the School of Visual Arts. The photographs to be displayed were taken in her native city in the spring of 1992, 1993, and 1994.

## A different view



High school student engineers get a taste of civil engineering during a hands-on camp experience in the College of Engineering. Students designed, built and tested trusses using toothpicks and miniature marshmallows. It's all part of VIEW, or Visit in Engineering Week, a week-long engineering design program for minority seniors sponsored by the Minority Engineering Program. The Envisioners, a student leadership organization in the Leonard Center for the Enhancement of Engineering Education, are helping organize and facilitate the VIEW program. VIEW, a program underwritten by corporate sponsors and mentors, was created to foster interest in engineering and offer first-hand knowledge of how engineering benefits society, according to Sandra Johnson, Penn State's Minority Engineering Program Director.

## First electronic journal for Buddhist studies created

Charles S. Prebish, associate professor of religious studies, and Damien Keown of the University of London's Goldsmiths College, have created and are general editors of the *Journal of Buddhist Ethics*, the first scholarly electronic journal in the discipline of Buddhist studies. The format of the journal was developed by Wayne Husted, of Penn State, the journal's technical editor.

The journal publishes material on such subjects as Buddhist law and jurisprudence, medical ethics, human rights, ecology and the environment, social and political philosophy, and interfaith dialogue on ethics. It has a twelve-member editorial board consisting of senior Buddhist Studies scholars from universities such as Oxford, Harvard, Columbia, and McGill.

Papers are reviewed by appropriate members of the editorial board or external evaluators selected at the editors' discretion. Unlike hard-print journals, which often have a long backlog between acceptance and publication, once a refereed article is accepted for publication in the *Journal of Buddhist Ethics*, it is placed in the journal's archives within a few days. As a result, the journal offers continuous rather than periodic publication.

The journal can be accessed either through Penn State's World-Wide Web server or through "Anonymous FTP" from Penn State's site. Although the journal has only been online for a short time, it is already one of the most accessed sites on Penn State's World-Wide Web server, and has had an enormous subscription response from scholars all over the world.

# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Friday, August 19**

New Instructor Orientation, 9 a.m., 102 Classroom Bldg.  
Introduction to the Penn State Classroom. Also, 11 a.m., The First Day of Class.

**Monday, August 22**

New Instructor Orientation, 9 a.m., Planning a Class that Motivates Learning, also, Aug. 23, 1:30 p.m., At 1:30 p.m., Putting Your Plan into Action: Feedback, Management, and Motivation, also, Aug. 23, 9 a.m.

Be A Part From The Start, 8 p.m., Rec Hall.

**Tuesday, August 23**

Freshman Tours

**Wednesday, August 24**

Classes begin.

**Friday, August 26**

Gallery Talk, 2:30 p.m., Christoffers Lobby, Palmer Museum of Art. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

**Sunday, August 28**

School of Music, 8 p.m., Recital Hall. Mark L. Lusk, trombone.

## PUBLIC RADIO

**WPSU-FM 91.5**

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun, 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## CONFERENCES

**Sunday, August 21**

Basic Arboriculture, 25 attendees, Tyson Bldg. Through Aug. 23.

**Monday, August 22**

HEC 1 Flood Plain Hydrology, 30 attendees, The Penn State Scanlon. Through Aug. 26.

**Wednesday, August 24**

Intensive English Communications Program, 50 attendees, Residence Halls. Through Dec. 9.

## SEMINARS

**Tuesday, August 25**

Computer Science and Engineering, 4 p.m., 302 Pond Laboratory. Osama Mowafi on "Wireless and Secure Systems."

## EXHIBITS

**Pattie**

**West Lobby Gallery:**

Sophie Richmond, watercolors of Pennsylvania and the Grand Canyon, through Sept. 15.



**Ukrainian art**

The HUB Art Gallery at University Park is featuring an exhibit by top Ukrainian artist Mykola Kumanovsky through Aug. 25.

## Lending Services Gallery:

Steve Thompson, photography. Through month of August.

**Palmer Museum:**

"Beryl Bar-Sharrar, Lyrical Landscapes," through Aug. 21.

"Girls to Celebrate the New Museum," through March 5, 1995.

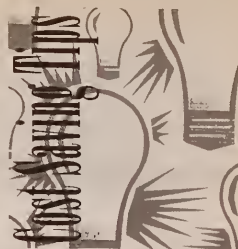
**Zoller Gallery:**

"Galactic Visions," Aug. 26 through Sept. 25.

## TIPS

**Information Penn State**

Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.



With this issue, *Intercom* brings publication of a new column on Cost Saving Tips.

The column, which will appear regularly, offers the opportunity for University employees, from any location to submit cost-effective ideas, reminders or suggestions.

The University ran its first-ever energy contest in the spring and it generated a number of useful suggestions. Prize winning ideas were:

- Develop a mandatory one-half credit course on energy conservation for all incoming freshmen.

- Institute enthalpy control of outside air to provide additional hours of "free cooling" of campus buildings.

- Have Housing and Food Service hold competitions to reward students with the lowest energy use in the building.

Solving the problem of overheated spaces was the most popular suggestions in the contest.

Students also suggested that laser printers and computers be turned off at the end of each day. Computer-related energy needs now use about 5 to 10 percent of the nation's electric output.

Apart from the energy contest, other cost-savings suggestions for consideration by University employees include:

- Instead of using a separate fax transmittal sheet, consider using post-it fax notes which contain the necessary information, yet because they are attached to the first page of the document eliminate a page to fax and less the cost.

Post-it™ brand fax transmittal memo 7671		of pages +
To	From	
CC	CA	
Dept.	Phone #	
Fax #	Fax #	

- Turn off office lights when leaving the office for meetings rather than leaving lights on the entire working day.

- Save paper/time cost: photocopy double-sided

- Bulk mail when possible. Mail third- and fourth-class when possible.

## Suggestions for Cost Savings

*Tips should be sent to Bill Campbell, editor of Intercom, 312 Old Main, University Park, or by e-mail to Intercom, kln1@psu.edu or lmr8@psu.edu.*

## AUGUST 18 - AUGUST 28

# American Red Cross blood drive schedule

The American Red Cross, Centre Communities Chapter, is hard at work these days helping to ensure an adequate inventory of blood for patients in hospitals served. Healthy individuals are urgently needed to help save a life.

To give blood, one must weigh at least 105 pounds, and be in generally good health. One may safely donate blood every 56 days; to confirm donor eligibility, call the American Red Cross at 1-800-54-BLOOD.

For additional blood drive schedule information, call Connie Schroeder, campaign coordinator, American Red Cross Blood Services, at 237-2713.

## CAMPUS BLOOD SCHEDULE

Date	Location	Time			
9/6	Naturatorium	12-5	11/9	Warnock	1-7
9/7	HUB Ballroom	10-4	11/9	Atherton	1-7
9/8	HUB Ballroom	10-4	11/10	Findlay	1-7
9/13	Findlay Union	12-6	11/11	Simmons	1-7
9/14	Wagner	10-4			
9/15	101 Kern	10-4	11/14	Kern	10-4
			11/15	HUB Ballroom	10-4
10/14	Henderson	10-4	11/16	HUB Ballroom	10-4
			11/17	HUB Ballroom	11-5
11/7	Waring	1-7			
11/8	Pollock	1-7	12/8	HUB Rdg Room 11-4	



## Penn Staters

Abhay Ashlekar, holder of the Eberly Family Chair in Physics and director of the Center for Gravitational Physics and Geometry, has been appointed chair of the selection committee for the International Basileus Xanthopoulos Award sponsored by the Foundation for Research and Technology in Greece. Roger Penrose, Rouse Ball Professor of Mathematics at Oxford University, England, and Francis R. Pentz and Helen M. Pentz distinguished Visiting Professor of Physics and Mathematics at Penn State, has been selected to serve on the committee.

Andrzej Badzian, senior research associate and associate professor of materials at the Intercollege Materials Research Laboratory, served on the Program Committee of the Second International Symposium of Diamond Films and NATO Advanced Workshop on the Bonding of Electronic Materials in Minsk, Belarus. He gave an invited talk on diamond epitaxy.

Michael R. Baye, associate professor of economics in the College of the Liberal Arts, was a visiting research fellow at the Tinbergen Institute, Rotterdam, The Netherlands. At Erasmus University in Rotterdam he presented a paper titled "Divisionalization Incentives in Oligopoly: Nash Equilibrium and Implications for Social Welfare."

Gerard J. Brault, Edwin Erie Sparks Professor of French and medieval studies, was a Fellow of the Camargo Foundation, Cassis, France, where he began work on an edition of Thomas' 12th-Century French poem *Tristan*. While in France, he was the inaugural speaker at an international colloquium on medieval heraldry sponsored by the Institut de Recherche et d'Histoire des Textes in Paris and delivered an invited paper at a symposium on Gaston Paris, the father of Romance philology in France, at the Centre Culturel International de Cergy-la-Salle in Normandy.

Daniel C. Cosgrove, professor of biology, presented a site seminar titled "Cell Wall Proteins and Cell Growth" at the John Innes Research Center in Norwich, England. He also presented his work on "Dynamics of Plant Growth and Signals across the Plasma Membrane" to the Department of Plant Sciences at Oxford University. In Scotland, he gave the keynote address, "Expansions: Their Mode of Action and Their Role in Plant Cell Enlargement," at the Plant Cell Wall Meeting in Glasgow. Dr. Cosgrove also gave an invited, plenary lecture titled "Mechanisms of Action of Expansins in Cell Wall Expansion and Their Role in Plant Cell Growth" at the annual meeting of the Society of Experimental Biology in Swansea, Wales.

Keith Crocker, associate professor of economics in the College of the Liberal Arts, presented a paper titled "Regulatory Issues with Vertically Disintegrated Public Utilities: A Transaction-Cost Analysis," at Erasmus University, Rotterdam, The Netherlands, and was an

invited participant in the 12th International Seminar on the New Institutionalism held in Saarbrücken, Germany.

Theresa J. Devine, assistant professor of economics in the College of the Liberal Arts, presented a paper titled "The Consequences of Eligibility Rules for a Social Program: A Study of the Job Training Partnership Act," at the Canadian Economic Association Meetings, Calgary, Canada. She also chaired a session on self-employment and a panel session on duration data.

Clair Engle, associate professor of animal science, has received the Camp-Tender Award from the American Sheep Industry Association in recognition of his long-standing service to the sheep industry.

Inwin Feller, professor of economics, has been named chair of the Committee on Science, Engineering and Public Policy for the American Association for the Advancement of Science.

Brian J. Gilmore, associate professor of mechanical engineering and research associate of the Vehicle Systems and Safety Program at the Pennsylvania Transportation Institute, presented a paper, "User-Friendly Bus Interior Design: Reducing Falls through Improved Visual Design," at the third international Vehicle-Road and Vehicle-Interface conference in Noordwijkerhout, The Netherlands.

Barry W. Ickes, associate professor of economics in the College of the Liberal Arts, was selected to serve as a trustee of the National Council for Soviet and East European Research and recently participated in an international conference on Russian International Trade and Finance at the International Institute of Applied Systems Analysis in Laxenburg, Austria. He is also the CO-PI on a project, "Research and Development Management in the Russian Transition," funded by the Austrian Institute and funded by a \$150,000 grant from the McArthur Foundation.

Gary N. Knoppers, associate professor of religious studies, presented a paper titled "YHWH is not with Israel: Alliances as a Topos in the Chronicler's History" at the annual meeting of the Canadian Society of Biblical Studies in Calgary, Alberta, Canada.

Robert W. Koehler, associate professor of accounting, has been named president-elect of the Keystone Mountain States Council of the Institute of Management Accountants.

Ching-Chung Kuo and Krishna S. Dhir of Penn State Harrisburg's School of Business Administration, received the Clover of the University of Colorado, received the Best Paper Award for their paper, "An Integer Programming Approach to Minimum Diversity," from Western Decision Sciences Institute. They also received the Outstanding

Achievement Award from the Decision Sciences Institute for the Best Theoretical/Empirical Research Paper titled, "Maximizing Diversity: Concept, Formulations and Applications."

Bee-Yan Roberts, associate professor of economics, is currently a Visiting Scholar at the World Bank in Washington D.C.

Jan S. Prybyla, professor of economics, presented invited papers at an international seminar on the "Rules of the United States, Russia, and China in the New World Order" at Villanova University; at a workshop organized by the Korean Association of International Studies in Seoul, Korea on the "Durability and Direction of the Remaining Four Socialist Countries" at the 23rd Sino-American Conference on Contemporary China in Taipei, Taiwan, and at an international symposium at Duisburg University, Germany, on "China: A New Growth Center in the World Economy?"

Winston Richards, associate professor of mathematics and statistics at Penn State Harrisburg, has been appointed to the national membership committee of the American Statistical Association.

C.R. Rao, holder of the Eberly Family Chair in Statistics and Director of the Center for Multivariate Analysis, gave an invited paper titled "Analysis of Helling Distance in Graphical Displays of Contingency Table Data" at the Fifth Tartu Conference on Multivariate Analysis in Estonia. He attended the Probstat '94 Conference in Slovakia and gave an invited talk titled "Recent Contributions to Censored Regression Models" at the University of Uppsala in Sweden. Dr. Rao gave an invited talk on "Fascination of Statistics."

John H. Riew, professor of economics, co-edited the book, *Taxation and Economic Development among Asian Pacific Countries*, Westview Press, 1994.

Barbara J. Rolls, professor and holder of the Helen A. Guthrie Chair in Nutrition, has been invited by the U.S. Secretary of Health and Human Services to serve a three-year term on the advisory council of the National Institute of Diabetes and Digestive and Kidney Diseases.

Mark J. Roberts, professor of economics in the College of the Liberal Arts, has been selected to serve a two-year term on the National Science Foundation Review Panel in Economics.

Ernst Schürer, professor of German and Fellow of the Institute for the Arts and Humanistic Studies, was an invited participant at an International and Interdisciplinary Workshop on the literary work of B. Traven, hosted by the Institute of German Administration, the University of London, England. He chaired one session and presented a paper on "B. Traven's *Death Ship* in the Tradition of Sea Fiction."

David Shapiro, associate professor of

economics, presented a paper, titled "Rural Employment and Rural-Urban Differences in Employment in Zaire: A Comparative Perspective," at the African Studies Center/International Labor Organization Workshop held in Leiden, The Netherlands.

Gerhard F. Strasser, associate professor of German and comparative literature, presented two lectures on "Eurocentrism Overcome: Johann Joachim Becher's 16th Character, Pro Nostra Lingua Universali Language to Explicitly Consider China and Japan," at Peking University and at The Chinese Center for Tibetan Research at Beijing, China. He also gave a lecture on "Tibet in the 17th Century: The First Description of Tibet by the Jesuit, Johannes Grueber, and the Ensuing Publication Problems" at the Herzog August Bibliothek in Wolfenbüttel, Germany.

Donald A. Streit, associate professor of mechanical engineering and director of the Vehicle Systems and Safety Program at the Pennsylvania Transportation Institute, presented a paper, "Dynamic Wheel Scales for Heavy Vehicle Road Simulators," at the third international Vehicle-Road and Vehicle-Bridge Interaction conference held in Noordwijkerhout, The Netherlands. He also chaired a session titled "Experimental Techniques and Instrumentation."

Frank Swetz, professor of mathematics and education at Penn State Harrisburg, gave a plenary talk, "The Chinese Derivation for the Volume of a Sphere," at the History of Mathematics and Education conference sponsored by the British Society for the History of Mathematics in Winchester, England.

Joseph V. Terza, associate professor of economics, presented a paper titled, "Dummy Endogenous Variables and Endogenous Switching in Transportation Mode Choice: An Empirical Analysis" at the North American Summer Meeting of the Econometric Society in Quebec, Canada.

Fred Vondracek, professor of human development, co-chaired with Professor John P. Berman, "Identity Development and the Timing and Quality of Career Decisions in Adolescence and Young Adulthood" at the 13th Biennial Meetings of the International Society for the Study of Behavioral Development in Amsterdam, Holland. As part of the symposium, he presented a paper titled "Self and Other Evaluations/Perceptions: Relationships to Identity Status and Career Indecision," prepared in collaboration with Vladimir Skorikov, graduate student in Human Development and Family Studies. He also presented a paper titled "Vocational Development: The Implications for Self-Realization Through Vocational Careers" at a symposium on "Career Indecision and Barriers to Career Decision Making," at the 23rd International Congress of Applied Psychology in Madrid, Spain.

## Self-care could improve health of elderly

*As Older Population Faces Reduced Access to Care, Self-Care Could Be Answer*

Self-care is an important step for the elderly to take to maintain their good health and prevent medical complications, according to a University researcher.

"Until we get self-care as part of the health care system, we will continue to need expensive high-tech care for the elderly," says Dan Lago, aging specialist for Penn State's Cooperative Extension Office. "The issue needs to be addressed more in health care reform."

Individuals must take charge of their own health and learn to use professional expertise to help them meet their goals, Dr. Lago says.

A variety of factors place limitations on elderly who might provide more self-care. "The elderly population faces reduced access to health care facilities and professionals, increasing medical costs, problems with access to transportation, and an increase in travel distances to medical facilities," he explains.

Dr. Lago studies elderly in Pennsylvania where there are similarities to the national trend among the elderly. "Small town hospitals have a problem staying open, and those that are open are offering restricted services. Many elderly persons are forced to travel long distances for specialized medical care," Dr. Lago says.

In Pennsylvania, 2.3 million people are age 60 and over. The 1.8 million Pennsylvanians who are age 65

and over equals 15.8 percent of the population. Nationally, 12.3 percent of the population is age 65 and over.

Economic worries also trouble the elderly. "Poverty among the elderly has started to increase in Pennsylvania, especially for persons whose financial stability was based on pensions and investment interest income," Dr. Lago says.

A policy decision was made to leave long-term care issues out of the current health care reform debate, so it looks like there will be few changes for the elderly. Concerns of the elderly that need to be addressed in the reform movement include access to medical care, transportation to medical facilities and economic concerns, he says.

Self-care focuses on the patient monitoring his or her own symptoms, taking action if there is a medical problem and working in collaboration with health care professionals such as doctors, nurses and nutritionists to design a health care plan that best suits individual needs.

"The idea is basically preventive medicine. It is designed to help prevent diseases from occurring, prevent existing conditions from getting worse and minimize damage from existing conditions," Dr. Lago says.

After a doctor diagnoses a disease such as arthritis—a common illness among the elderly—patients

usually have few contacts with doctors in the following year. "Whatever happens between visits is up to them, such as exercise, proper eating for good nutrition, getting prescriptions filled and taking medications as prescribed," he points out.

Self-care often means only simple lifestyle changes that help the person maintain good health.

"For example, effective self-care for diabetics means tight control over blood levels, which are affected by medicine, exercise and diet. Maintaining the proper blood levels dramatically decreases complicated side effects, such as heart disease, kidney disease, visual problems that often lead to blindness and loss of use of fingers and feet.

"Necessary self-care is simple. It involves testing blood regularly with finger sticks and modifying drug level with exercise and nutrition to keep blood level in the right range," Dr. Lago says.

Researchers studying self-care have discovered that people are unreliable in the areas of medical and dietary compliance. In general, people are not doing what they should do to take care of themselves, he adds.

"The doctor is no longer in charge of their health—the patients or their surrogates are in charge," Dr. Lago says.

—Kimberley Yarnell Bierly

### Research

## Roundup

Advance notice helps displaced workers

Workers given several months' notice of a plant closing seem more successful at finding secure, well-paying jobs than workers who do not receive advance notice, a University economist says.

Although the length of unemployment for workers receiving advance notice of a plant closing are not substantially shorter, those workers are able to dispel the perception that they were laid off because they were found lacking in their job performance.

"When a worker is laid off, the perception may exist that he or she was fired for cause," says Douglas A. Fox, assistant professor of economics at the Shenango Campus. "This reduces the worker's chances of finding another job that pays as well as the job that was lost."

"When a company closes a plant, the entire labor force is permanently displaced, the good worker as well as the bad," he explains. "Thus there is no stigma attached to joblessness resulting from a plant closing."

## Going casual is serious business

Don't break out those Hawaiian shirts and Birkenstocks yet. The "casual" look and greater informality adopted by some companies have proven effective for many businesses—but for others, this change of pace may not be needed.

David A. Morand, assistant professor of management at Penn State Harrisburg, explains that formality and informality can and should be found in the workplace.

"Going informal involves philosophical and psychological changes that normally conventional businesses should seriously consider before taking the plunge."

In some work settings, informality may comprise an important element where innovation and creativity are prized. Informality may also give rise to camaraderie and possibly the establishment of trust between workers, Dr. Morand says.

Formality, on the other hand, helps coworkers who otherwise have little in common maintain social distance. Formal behavior is also useful in regulating conflict and diminishing the likelihood of prejudicial treatment.

However, going informal doesn't have to be an all-or-nothing deal for normally rigid organizations, Dr. Morand says. "Managers might strike a balance between casualness and professionalism by letting the experiences of years of formality guide them to areas that can be relaxed somewhat."



Dan Lago explains the concept of self-care for the elderly.

Photo: Greg Grieco



## Appointments

Karen Feldbaum has been appointed executive assistant to the vice provost for educational equity.

In this position Ms. Feldbaum will serve as a liaison for the vice provost's office and the Lesbian, Gay, Bisexual Student Association, and the Graduate Student Coalition. One of the position's major duties is providing educational programs and workshops directed toward both gay, lesbian, and bisexual student populations, as well as heterosexual student populations on issues related to homophobia, internalized homophobia, gay, lesbian and bisexual culture and history. In addition, she will assist faculty in developing class sessions which may address gay, lesbian and bisexual issues, provide introductory sessions for faculty, staff and administrators, and assist departments and units in implementing workshops dealing with gay, lesbian and bisexual issues.

Before being named to this one-year post, Ms. Feldbaum served as associate director in the Office of Residence Life at the University for the past five years, where she was in charge of a 12,500-student residence hall program. Prior to that she held the position of assistant director and oversaw the direction of a residence hall area of 3,800 students.

She is a member of the President's Committee on Cultural Diversity, the Committee on Gay, Lesbian and Bisexual Equity, and the Office of Student Services Programming Committee.

Ms. Feldbaum earned a bachelor of science degree in political science and a master's degree in college student personnel administration from the University of Indiana University at Bloomington. She is a member of the American College Personnel Association and the Pennsylvania Coalition Against Domestic Violence.

Barbara Ann Hale has been named science and research information officer in the Department of Public Information.

She covers the physical sciences, mathematics, space research, some engineering and life sciences departments, and the Intercollegiate Research Programs. Her special interests include technology transfer and interdisciplinary research.

Ms. Hale previously served as director of public relations for the Center for Cell Research (CCR), an Intercollegiate Research Program. The CCR, which she joined in 1990, was established in 1987 as a NASA Center for the Commercial Development of Space. Ms. Hale was responsible for coordinating the media relations programs for Space Shuttle and sounding rocket missions involving CCR and its commercial partners. She also developed marketing communi-



Barbara Ann Hale

cations, aided in establishing the college's alumni society, produced the first alumni and development publications, established a science writing internship and developed recruiting materials and events. In 1990, "The Right Place," a recruiting film she produced, won the Bronze Medal of the Council for Advancement and Support of Education in national competition. She also was honored twice with the College of Science's Outstanding Service Award for Expo, an open house.

Prior to joining the Penn State staff she was assistant director of public relations at the University of Rochester and assistant faculty member at Tufts University. She began her professional career as a junior medical chemist in the natural products division of Smith Kline and French Laboratories in Philadelphia.

Ms. Hale is founder and current coordinator of the Penn State Chapter of the National Association of Science Writers. She also recently served as judge of the public relations entries of the Huntsville, Ala., Press Club annual awards competition.

She holds a bachelor's degree in chemistry from Immaculate College and a master's degree in science communication from Boston University.

Pamela Simpson has joined the University Libraries as serials cataloging librarian.

Before coming to Penn State, Ms. Simpson was the International Serials Data System cataloger for the National Serials Data Program at the Library of Congress. Previously, she was a graduate assistant at the Troy H. Middleton Library, Louisiana State University, and served in the cataloging, reference and serials departments.

Ms. Simpson earned a bachelor's degree from

Auburn University where she majored in French and minored in English and geography. She also holds a master of French studies from Auburn and a master of library and information science from Louisiana State University.

Ms. Hale joined the University staff in 1973 as a part time science writer and was promoted to assistant to the dean for communication in the Eberly College of Science in 1985. In that post, she managed media relations, aided in establishing the college's alumni society, produced the first alumni and development publications, established a science writing internship and developed recruiting materials and events.

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Auburn University where she majored in French and minored in English and geography. She also holds a master of French studies from Auburn and a master of library and information science from Louisiana State University.

Nancy Anita Williams, a writer and public relations specialist whose credits include bylines in *Time* magazine, *The Washington Post* and the *New York Daily News*, has joined the Department of Public Information as a writer/editor.

Ms. Williams, experienced in minority affairs and issues, will be responsible for developing stories and public relations strategies to promote Penn State's activities and concerns related to multicultural diversity.

Ms. Williams has a bachelor of fine arts degree from Howard University, Washington, D.C. and a master's degree in business and public administration from Southeastern University, also in Washington, D.C. Previously, she was director of public information and public relations for the Roosevelt Public Schools, Roosevelt, N.Y., which she attended from kindergarten through high school.

While at Roosevelt, she transformed and enhanced the image of the predominantly African-American school district. She placed stories on Roosevelt in a variety of publications, such as *The New York Times* and *Newsday*, and also increased the school district's coverage on television and radio.

Public relations clients have included Georgetown College and the State of Tennessee. Ms. Williams also has been an editor and writer at *Essence* Magazine in New York City.

Her other writing credits include *MS Magazine*, *The Business Journal of New Jersey*, *Heart and Soul* Magazine, and the *Washington Business Journal*.

She is a member of the National Association of Black Journalists, New York Association of Black Journalists, Howard University Alumni Association, Alpha Kappa Alpha Sorority, Inc. and the Black Public Relations



Nancy Anita Williams

Society of Washington, D.C.

## Alumni Association sets fall events

A reunion of two undefeated Penn State football teams, an alumni weekend and homecoming activities are among the events on the Penn State Alumni Association's fall 1994 schedule. Most will be held at the University Park Campus.

Major events include:

— Sept. 16-17: A reunion of Penn State's undefeated 1968 and 1969 football teams. Players from those squads will be honored on the field during halftime of the Penn State-Iowa game on Saturday, Sept. 17. A gala dinner and sports auction are planned for later that evening at the Penn Scanticon. All proceeds will be donated to the Penn State libraries.

— Oct. 1: Parents and Families Day. Parents of Penn State students will be recognized for the valuable roles they play in the lives of the University's future alumni.

— Oct. 1: Penn State vs. Temple Uni-

versity at Philadelphia's Franklin Field. The game is tentatively set for 4 p.m., but could be changed to accommodate television coverage. The last Penn State football team to play at Franklin Field was the 1975 squad, which beat Temple 26-25.

— Oct. 7-9: Fall Alumni Weekend. Newly reorganized this year, the Weekend will bring together alumni from a number of special interest groups, academic colleges and co-curricular activities, rather than by class year.

— Oct. 29: Homecoming. This year, Homecoming activities will center on the home football game with Ohio State and will include the traditional all-night vigil, pep rally and parade.

For more information about alumni programs and activities, contact the Penn State Alumni Association at (814) 865-6516.

## PROMOTIONS

### Staff

Paula F. Coe, transplantation coordinator at Hershey Medical Center.

Greg A. Commann, technician-research at Hershey Medical Center.

Terri L. Dowdy, financial officer III in Corporate Controller's Office.

Beverly A. Fahr, staff assistant V in College of Health and Human Development.

Pamela R. Frisco, business coordinator at Hershey Medical Center.

Mary Jane Gawryla, administrative assistant I in College of Engineering.

Julia A. Hadley, research technologist in College of Agricultural Sciences.

William R. Hall, research engineer in Applied Research Lab.

Bonnie L. Hampton, staff assistant VII in Corporate Controller's Office.

Fredina M. Iffert, director of recruitment and athletics at Altoona Campus.

Susan M. Grey, staff assistant V in Applied Research Lab.

Stuella Kane, staff assistant V at Altoona Campus.

Rod N. Khayat, microcomputer system consultant in Computer and Information Systems - Computer Center.

Scott D. King, manager, food service I in Housing and Food Services.

William H. Meyer, assistant manager, administrative support services in Business Services.

Highlight on Undergraduate Education

# College of Engineering program is enhancing the student experience

## Innovative program gives undergrads opportunity to experience working world

Engineering students at the University Park Campus are getting the chance to gain on-the-job experience in traditional settings through an innovative program sponsored by the Leonhard Center for Enhancement of Engineering Education.

The Leonhard Center Technical Jobs Program offers students practical engineering experience while providing small companies with the opportunity to try out promising employees.

The program places undergraduate engineering students in summer positions with small, innovative companies in Pennsylvania, meeting the summer employment needs of small-but-growing high-tech companies while introducing students to the opportunities offered by small innovative companies.

"Engineering undergraduates need summer jobs that provide real experience, and small technical companies need to hire experienced engineers because they don't have training programs," explains Glen Chatfield, Leonhard Center board member and founder of the Technical Jobs Program.

"This way, companies get good but cheap summer help that may be suitable for permanent positions in the future and the students get small company experience."

The Leonhard Center is working in cooperation with the Pittsburgh High Technology Council, a trade association with more than 1,000 industry members in western Pennsylvania, on the project.

The Council provides the Leonhard Center with a list of approximately 60 job opportunities along with a brief description of the company, the position available and the duties required of an intern. The Leonhard Center provides the Council with a list of qualified students.

Mr. Chatfield, founder of Optimum Power Technology and Emprise Technologies, both members of the Pittsburgh High Technology Council, created the summer jobs program after a Leonhard Center board meeting.

"We were challenged to get actively involved with the center, and, since I have had great experiences with interns at my companies in the past, I decided this would be my project," he said.

While the program is being tested only in the Pittsburgh area this year, Mr. Chatfield hopes it will eventually become state-wide.

"On the long-term side of things, this is the ice-breaker

*This new program has been tagged "the ice-breaker" between the University and small companies.*

between the University and small companies." He also notes that the program will help Penn State to gear educational curricula toward the special needs of small companies as well as introduce small companies to Penn State's highly trained employee pool and extensive research capabilities.

Student members of the Envisioners, the student arm of the Leonhard Center, will participate in this summer's pilot program. Organizers plan to open the program to all engineering students by next year.

A Penn State student will work for The Pittsburgh High-Technology Council to help monitor students on the job, work on expanding the program, and act as a liaison between the two organizations.

For more information contact: Andy Milne, Leonhard Center assistant director, Technical Summer Jobs, The Pennsylvania State University, Suite 202 Rider II Building, University Park, PA, 16802-4819, or call (814) 865-4018.

— Samilla Propper

## Intercom changes announced

A number of distribution changes are being made to make the Penn State Intercom more widely available to the University community. Intercom has expanded greatly during the past several years in terms of pages per issue and the number of copies printed. Ten years ago, weekly circulation was 15,200 copies. For the 1994-95 academic year, it will be 22,500.

In addition to the larger number of copies distributed because of the increase in faculty, staff, retirees and special friends of the University, copies of Intercom are being placed in the lobbies of a number of buildings on the University Park Campus, including Kern, Keller, HUB, Willard, the Nittany Lion Inn and Penn State Scenicron.

Portions of Intercom also are available electronically on E-Mail systems. Faculty and staff from any campus in the Penn State system or anywhere in the world can gain access to Intercom articles through Gopher. Additional sections will be added in the future.

In keeping with these improvements in delivery and access, we are changing the Intercom mailing procedures by eliminating individual address labels on the faculty-staff newspaper. This change has been under consideration for a number of years and will, we believe, result in substantial cost savings for the University.

This change was instituted during the summer at locations other than University Park and has resulted in less work and fewer problems for campus mailrooms. The new delivery will be put into place at University Park beginning with the Aug. 25 issue.

Mailing Services will deliver to mailrooms in buildings on campus the same number of Intercoms that have been received in the past—but without individual address labels. If there is a need for a change in number—either more or less—please contact Kathy Norris, Intercom staff assistant, at 865-7517 or knl@psu.edu.

If you have any questions or problems with the new mailing procedure, contact Bill Campbell, editor of Intercom, or Lisa Rosellini, associate editor.

## OBITUARIES

Shirley M. Harrison, retired assistant professor of English, died June 9 at the age of 78. She joined the faculty Sept. 1, 1965, and retired July 1, 1978.

Margaret B. Jennings, retired associate professor of foods and nutrition in the former college of Home Economics, died April 1 at the age of 91. She joined the faculty Sept. 1, 1954, and retired Sept. 1, 1966.

James B. Meyer, mechanical/electrical designer, Office of Physical Plant, since April 1, 1985; died June 25. He was 42.

## Interdisciplinary research center established

The College of Engineering has established an interdisciplinary Center for Gas Turbines and Power. B. Lakshminarayana, Evan Pugh Professor of aerospace engineering, is the center director.

The center brings together researchers and facilities in fluid dynamics, heat transfer, vibration, rotor dynamics and materials to explore innovative approaches in gas turbine and power technology.

It has four goals: develop the interdisciplinary knowledge base in fluid dynamics, heat transfer, rotor dynamics, structure and materials necessary for next generation gas turbines; form an industrial consortium and affiliates group; foster technology transfer to industries; and develop a unified educational program on gas turbines.

The Center for Gas Turbines and Power capitalizes on the University's international reputation in turbomachinery research and state-of-the-art facilities. Center faculty, working closely with major industries and agencies in the U.S. and abroad, have developed unique measurement and computational capabilities for the study of the performance, reliability and life of next generation gas turbines, according to Dr. Lakshminarayana.

The University's involvement with gas turbines dates

back to the 1960s. Since then more than 120 students have received advanced degrees in turbomachinery and gas turbines. Today, Penn State's turbomachinery research program includes 25 Ph.D. and 15 master's students.

Center faculty members are: Gengxi Camel, associate professor of aerospace engineering; George S. Dulikovich, associate professor of aerospace engineering; Alok Sinha, associate professor of mechanical engineering; Kon-Well Wang, associate professor of mechanical engineering; Savash Yavuzkurt, associate professor of mechanical engineering; Sam Zamrik, professor of engineering science and mechanics, and Dr. Lakshminarayana.

Major facilities in the center include a 500-horsepower multistage research compressor, a 100-horsepower single stage axial flow research turbine, a 50-horsepower single stage axial flow compressor, a 50 horsepower automotive torque converter facility, a 3-channel laser Doppler velocity system, and a hot-air wind tunnel. Additional facilities include a rotor dynamic facility with magnetic bearings and an electron microscope. The center also has high speed network access to supercomputers located at NASA Ames, NASA Lewis and NASA Huntsville research centers.



## Awards

### Continuing and Distance Education staff earn national awards

Continuing and Distance Education faculty and staff members won five national awards from the National University Continuing Education Association (NUCEA) in 1994.

#### Award winners:

● **The Self-Assessment Series for Dietetics Professionals: Management Module** won a Programming Award from the Division of Continuing Education for the Professions. The project is designed to help dietitians assess their educational needs. The Management Module is one in a series being developed for the Commission on Dietetic Registration of the American Dietetic Association. The project is housed within the Office of Program Planning and is a collaborative effort with the Center for Applied Behavioral Sciences (CABS). Wayne Smutz, director of Program Planning, and his staff, and members of the CABS staff developed the Management Module. Since its debut in June 1992, more than 1,500 dietitians from all 50 states and numerous foreign countries have purchased the module.

● **Gary E. Miller**, assistant vice president for distance education, was honored with the Divisional Leadership Award for his "outstanding service and national contributions to educational telecommunications." The award was made by the Division of Educational Telecommunications.

● **The 1993 Penn State Harrisburg Summer Course Guide** won a bronze award in the Most Improved Communications Product category of the Division of Marketing and Promotions. Catherine Grigor, account specialist with Marketing Communications, coordinated the production of the course guide, designed by Madge McHenry.

● **The 1993 Alumni College series of publications** received a bronze award in the Publications Campaign category of the Division of Marketing and Promotions. Sally Atwood, account specialist with Marketing Communications, coordinated the production of the brochures announcing Penn State Alumni Association continuing education programs, and James Collins designed the brochures.

● **The Urban Entomology for Pest Control Operators course** won a Meritorious Award for Noncredit Course Design from the Division of Independent Learning. The College of Agricultural Sciences course is available in English and Spanish for pest control operators already in the profession. Robert Snelinger, professor of entomology, wrote the study guide and serves as the English-language instructor for the course. Carlos Rosario is the Spanish-language author, based in Puerto Rico. Gina León, instructional designer in Independent Learning, was a member of the project team.

### Evan Pugh Professor receives \$2 million grant renewal

K. Warner Schaie, Evan Pugh Professor of human development and psychology and director of the Gerontology Center, has received a major grant renewal to continue his Seattle Longitudinal Study.

The National Institute on Aging has given Dr. Schaie a \$2 million renewal of his MERIT Award, extending it to 1998. MERIT, or Method to Extend Research in Time, Award goes to investigators who have shown superior research competence and productivity. The award allows experienced researchers to maintain long-term funding without having to write frequent renewal applications.

The Seattle Longitudinal Study, which began as Dr.

Schaie's doctoral dissertation at the University of Washington in 1956, now has tracked more than 4,000 people and has been funded continuously since 1963. It focuses on intellectual development from young adulthood through old age. Results show that mental skills—such as verbal and numerical ability, spatial orientation, and problem solving—do not decline uniformly for all people as they age, and that simple training can often reverse the effects of age.

Investigators in the study include two other University faculty members: Sherry L. Willis, professor of human development, and Robert Plomin, Evan Pugh Professor of human development.

### Thirty staffers recognized for outstanding contributions

Thirty staff members have been honored at the annual Staff Awards Luncheon and Ceremony for "their outstanding contributions, efforts, and dedication in support of faculty and students in acquiring financing, executing research, and administering diverse activities that make up the University's research and graduate student efforts."

In citing these contributions, David A. Shirley, senior vice president for research and dean of the Graduate School, said "Penn State has moved into the ranks of the foremost research and graduate universities in the world. One of the reasons for this is that we have a dedicated and talented staff."

Special citations and cash awards went to:

● **Leslie Hutchins**, staff assistant, School of Communications

● **Wilden Nuss**, senior engineering aide, Applied Research Laboratory

● **Robert Poorman**, supervisor, Maintenance Shop, Department of Chemistry, Eberly College of Science

● **Janet Snyder**, administrative assistant, Industrial Research Office, Research and Graduate School

Candidates for awards are nominated by the associate deans for research and graduate studies, the directors of Intercollege Research Programs, and the department heads in the Graduate School and in Research and Technology Transfer.

and Advising Program (FTCAP).

"He has a very helping attitude," says one of his advisees. "I never feel like I'm bothering him when I stop by for advice."

Dr. Hargrove's research focuses on dairy cattle genetics and milk protein production. He joined Penn State as an assistant professor in 1970 and became professor in 1983. Before joining Penn State, he was a research assistant at North Carolina State University.

He is a member of the American Dairy Science Association, Gamma Sigma Delta and other organizations.

### College of Agricultural Sciences Alumni Society honors dairy science professor for academic advising skills

George L. Hargrove, professor of dairy science, has received the 1994 College of Agricultural Sciences Alumni Society's Excellence in Academic Advising Award.

The award recognizes faculty with outstanding skills in academic advising, career planning and personal counseling. Advisers in the college are nominated by alumni, faculty, students and administrators.

In addition to teaching classes in genetics and animal breeding, Dr. Hargrove frequently counsels prospective students and their parents. He also participates in the University's Freshman Testing, Counseling

### Library employees recognized

#### Scholarship awarded

Vicki S. Williams, assistant director of the University Libraries' Audio-Visual Services, is the recipient of the Educational Communication Fund and Technology (ECT) Foundation Mentor Scholarship. The award consists of a \$3,000 scholarship and a plaque.

The ECT Foundation is a non-profit organization established in 1958 for charitable and educational purposes. The Mentor Endowment Fund was established in 1990 to increase scholarship and leadership activities in the field of educational communications and technology and to promote the use of instructional technology.

Ms. Williams has been the assistant director of Audio-Visual Services for the past six years. She earned a master of education degree in earth and space science from Edinboro University and holds a Pennsylvania Instructional II teaching certificate. Currently, she is pursuing her doctorate in instructional systems at Penn State.

#### National organization names recipient

Sally Kalin, head of the University Libraries' Computer-Based Resources and Services Team, is the 1994 recipient of the Reference Service Press Award given by the American Library Association's Reference and Adult Services Division (RASD).

The \$1,000 award is given to the author of the most outstanding article published in RQ, RASD's quarterly journal, during the preceding two volume years.

Ms. Kalin received the award for "Support Services for Remote Users of Online Public Access Catalogs" that appeared in volume 31, number 2, p 197-213, Winter 1991.

#### Librarian receives University Libraries Award

Jack E. Pontius, document delivery librarian, has received the 1994 University Libraries Award.

Mr. Pontius was chosen by his colleagues in recognition of his leadership within the University Libraries and in the profession; for his innovation and perseverance in developing services for users; improving access to microforms and journal literature, and participating with his colleagues in advancing the mission of the Libraries.

The University Libraries Award, consisting of a citation, a cash stipend, and a Nittany Lion statue, is given in recognition of the achievements or performance of any one or more of the following criteria: professional contribution which has a significant influence on the operations of the University Libraries; significant professional contribution which earns the respect of the University community for the Libraries; significant contribution to the profession which reflects achievement in librarianship at Penn State, or outstanding contribution to the Libraries as shown by continuing leadership and innovation.



## Awards

### Around the University

#### McKeesport employee receives achievement award

Glenn J. Beech, assistant director of student affairs at the Penn State McKeesport Campus, has received the Outstanding Services to Students Achievement Award.

Established in 1991, the award recognizes Penn State Student Affairs professionals located at Commonwealth Campuses for outstanding contributions to students and campuses over a period of years. Mr. Beech has served as student aid director at McKeesport for nine years.

During that time he developed a computer tracking program which provides the highest level of advocacy for students seeking aid. The program creates a powerful resource which allows his office to assist each student to obtain the maximum student aid package. The information base increases the ability to deliver the name and circumstance of dozens of students each time a window opens for available monies.

In 1992-93 Mr. Beech had 333 contacts from parents or students seeking additional aid. He completed 113 successful appeals for special circumstances or hardship resulting in an additional \$154,177 in student aid awards. To date for 1993-94 he has worked with 401 persons and has completed 131 successful appeals resulting in \$175,981 in additional aid.

#### Associate professor named visiting scholar

Daniel F. Heitjan, associate professor of biostatistics in the College of Medicine, has been selected by Merck Research Laboratories as its 1994-95 Stanley S. Schor Visiting Scholar. The program aims to bring distinguished statisticians, epidemiologists and health economists to work with Merck scientists on projects of mutual interest.

Dr. Heitjan will spend the coming academic year in the Department of Biostatistics and Research Data Systems at the Merck facility in Blue Bell, PA. He will work with company statisticians—considered to be among the finest in the pharmaceutical industry—on incomplete-data problems arising in longitudinal and survival studies.

Dr. Heitjan, who has received the 1994 Center for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry Statistics Award for his paper with Philip J. Smith, "Testing and Adjusting for Departures from Normal Dispersion in Generalized Linear Models," published in *Applied Statistics* 1993. Dr. Smith, who was formerly on the faculty of the College of Medicine, currently works at the CDC in Atlanta, GA.

#### Harrisburg staff member earns national award

David Hansen, assistant to the associate provost and dean of the faculty at Penn State Harrisburg, has earned a national award for his role in creating an academic course focusing on war and peace.

The National University Continuing Education Association presented Col. Hansen with its Distinguished Independent Study Course award for "Dilemmas of War and Peace," a multi-disciplinary effort.

"Dilemmas of War and Peace" wrestles with the complex and disturbing questions of war and peace and was designed for use as a two- to four-credit course for college students. It is also of interest to individuals and groups concerned with issues of war, peace and social justice, but who are unfamiliar with any formal educational institution.

The course draws on the fields of political science, history, peace studies, sociology, literature, psychology, religion, philosophy and the fine arts as it explores questions about human nature, human violence, justice and the direction of history.

## Harvard's Nieman Reports wins 1994 Lowell Mellett Award

*Nieman Reports*, published by the Nieman Foundation at Harvard University, has been named the winner of the 1994 Lowell Mellett Award for Improving Journalism Through Critical Evaluation.

According to the School of Communications Dean Terri Brooks, the \$1,000 award recognizes outstanding contributions to the improvement of print and broadcast journalism through responsible analysis or critical evaluation. It has been administered by the School of Communications since 1984.

Robert H. Phelps, editor of *Nieman Reports*, won the award for exemplary coverage of two single issues, health and religion coverage, by securing commentary from carefully selected journalists and local experts.

One of the judges, Sharon Dunwoody, Elyse-Bacon Professor, School of Journalism and Mass Communication at the University of Wisconsin, noted that "the resulting potpourri of articles provides layers of perspective that can take readers in many directions. This single-issue, multi-author strategy, if done well, promotes a depth of understanding that is almost impossible to achieve in any other format."

The judges this year were Charles J. Bierbauer, senior Washington correspondent for CNN; Dr. Dunwoody; Mike Stanton, executive news editor of the Seattle Times; and Bill Woo, editor of the St.

Louis Post-Dispatch.

The Mellett judges also gave two special citations this year. Kevin Barnhurst, a faculty member in graphic arts at Syracuse University, was cited for his book titled *Seeing the Newspaper*. Charles Bierbauer noted that "Barnhurst has taken an innovative look-literally at how we see the newspaper."

Helen Benedict, associate professor in the Graduate School of Journalism at Columbia University, also received a special citation for *Virgin or Vamp*. The judges noted that Benedict's exploration of media reactions to several prominent rape cases documents what she views as the "steadily declining" quality of such coverage.

The awards will be presented at a ceremony on Oct. 27 at The National Press Club in Washington, D.C. Bill Kovach, curator of the Nieman Foundation at Harvard, will present the Mellett Lecture following the awards ceremony.

Partial support for this year's awards and Mellett Lecture is made possible by a gift from Penn State alumnus George T. Richards of Granby, Conn., in memory of his father, Bart Richards, former editor of the *New Castle News*. Karen Freeman, assistant professor of journalism in the School of Communications, was director of this year's Lowell Mellett Award, which is named in honor of the distinguished Scripps-Howard editor and syndicated columnist who died in 1960.

## College of Engineering honors professor

Richard P. McNitt, professor and head of Engineering Science and Mechanics, is the 1994 recipient of the Lawrence Perez Memorial Student Advocate Award offered annually by the College of Engineering.

Dr. McNitt was cited by current and former students for his consistent record of offering students in his department "individualized and personal concern." The Perez Award is the only award offered by the College of Engineering that is initiated by student nominations.

Students cited Dr. McNitt's advisory activities, both formal and informal, as "extraordinary." "In all of his interactions, he demonstrates his genuine interest in the welfare of students," noted one nomination.

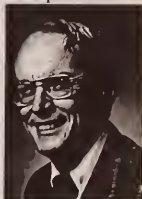
In addition to regularly teaching introductory courses to gain personal contact with engineering science students from the beginning of their academic careers, Dr. McNitt also is actively involved in the student chapter of the Society of Engineering Science. An advocate of a hands-on engineering curriculum, he is active in both ECSE and the Leonard Center for the Enhancement of Engineering Education.

Dr. McNitt started his academic career at Vir-

ginia Polytechnic Institute as an assistant professor, eventually rising to the rank of professor. While at Virginia Tech he received several awards for teaching excellence. He returned to Penn State in 1981 as professor and head of the new Engineering Science and Mechanics Department.

He received bachelor's and master's degrees from Penn State and a Ph.D. from Purdue, all in engineering science.

The Lawrence Perez Memorial Student Advocate Award is offered in memory of Lawrence Perez, a former professor of civil engineering and assistant dean in the College of Engineering who was known for his dedication to students. It was established with contributions from the Perez family, friends, and former students.



Richard P. McNitt

## Distinguished Educator Award given to professor

Allen L. Soyester, professor and head of Industrial and Manufacturing Engineering, has been named recipient of the 1994 Albert G. Holzman Distinguished Educator Award. The award, which is given by the Institute of Industrial Engineers (IIE) and sponsored by H.B. Maynard & Co., Inc., recognizes significant contributions to the industrial engineering profession by an outstanding educator.

Dr. Soyester's research experience is in optimization of energy distribution systems and

planning methods; modeling economic energy processes and transportation; and artificial intelligence and expert systems applications to industrial engineering. He has authored over 70 refereed journal publications.

He earned a bachelor of science degree from Penn State, a master's degree from Cornell University and a doctoral degree from Carnegie Mellon University.



# BOOK SHELF

Robert G. Crane, associate professor of geography and associate dean for education in the College of Earth and Mineral Sciences, is editor and author with his former student Bruce C. Hewitson, now of the University of Cape Town, South Africa, of *Neural Nets: Applications in Geography*, published as Volume 29 of the *Geographical Library* by Kluwer Academic Publishers.

Drs. Crane and Hewitson believe that many geographers are unaware of the potential value of neural net techniques for investigating research problems in their field. They hope to promote the concept through this book, which provides a working introduction to neural net theory and demonstrates the techniques in a range of examples drawn from the physical and social sciences.

Individual chapters by scientists and academics focus on census analysis, predicting the spread of AIDS, describing synoptic controls on mountain snowfall, examining relationships between atmospheric circulation and tropical rainfall, and neural net application to remotely sensed polar cloud and sea ice. In most cases neural nets are used in ways similar to the more familiar techniques of multiple regression analysis, cluster analysis, and maximum-likelihood classification.

The results are shown to be equal or superior to those of more conventional methods, particularly where the relationships have a strong nonlinear component. Neural nets are shown to have significant explanatory power. An appendix provides an extensive list of information on neural network resources, and a Fortran listing for the Kohonen Self-organizing Map.

Kathryn M. Grossman, associate professor of French, is the author of *Figuring Transcendence in Les Misérables: Hugo's Romantic Sublime*, published by the Southern Illinois University Press.

In this first book-length study of one of the most widely read novels in the world, Dr. Grossman situates *Les Misérables* (1862) in relation both to Victor Hugo's previous fiction—including *The Hunchback of Notre Dame* (1831)—and to the poetry published during his exile under the Second Empire.

Drawing on Paul Ricoeur's theory of metaphor and on Thomas Weiskel's analysis of the romantic sublime, she illustrates how the novel's motifs and structures correspond to a closely connected set of ethical, spiritual, political, and aesthetic concerns. The intricate interweaving of characters, plot, subplots, themes, imagery, topography, and digressions in Hugo's prose masterpiece results in a completely integrated poetic system.

Superficial chaos is ordered by repeating patterns of extension and substitution, metonymy and metaphor, that produce a kind of literary fractal, a multilayered verbal network. Through such complex patterns, Hugo defines the relation between history and utopian vision, politics and poetics, genius and revolution, in a virtually inexhaustible meditation on the romantic sublime, his poetics of transcendence.

The elaboration of this system of master tropes, Dr. Grossman argues, provides a means of reassessing the work of such other major lyrical or post-romanticists as Goethe, Walter Scott, Pushkin, Proust, and Marguerite Duras.

Carl Mitcham, director of the Science, Technology, and Society Program, and William F. Williams, professor of STS and retired director of Combined Studies in Science at the University of Leeds in England, are the editors of *The Best in Science, Technology, and Medicine*, volume five of *The Reader's Adviser* published by W.W. Bowker (New York).

*The Best in Science, Technology, and*

*Medicine* has contributions from bibliographic authorities in diverse fields including astronomy, genetics, computer science and psychology. Topics include number theory, artificial intelligence, astronomy and space science, medicine and health, diseases and illnesses, and the geopolitics of energy. Moreover, it introduces the literature of nearly 170 visionary scientists and engineers from Aristotle, Euclid, and Archimedes to Darwin, Freud, Edison, Einstein and Hawking as well as other respected pioneers and researchers in their fields.

In addition to Drs. Mitcham and Williams, ten other Penn States associated with the STS Program contributed to the volume. They are: Peter Bohn, STS Program and editor and publisher of *The Nutrient Management Report*; Richard A. Deltrich, STS Program; Harold Groff, assistant professor and program chair of the Department of Telecommunications Technology; Stephen Keenik, graduate student in mathematical science; Robert Meredith, writer and editor for the Pennsylvania Groundwater Policy Education Project; Mohammad Nouri, professor of mathematics; Bonnie Osif, assistant engineering librarian; Joyce Williams, assistant professor of STS.

*The Reader's Adviser*, which published its first edition more than 70 years ago, has six hard cover volumes. A standard set in the reference section of all libraries, it provides authoritative guidance in a comprehensive variety of topics by writers from throughout the world and is an essential starting point for understanding literature and thought worldwide.

William Penack, professor of American history at the Penn State Osgood Campus, is co-editor with Roosevelt scholar, Frank Freidel, of *The White House: The First Two Hundred Years* (Northeastern University Press).

In this collection of essays, historians and journalists reflect on and assess the first two hundred years of the White House to provide insights into the evolution of the "People's house" from its limited role in a struggling new nation to its present role as the embodiment of America's view of the presidency.

An outgrowth of the 200th anniversary symposium sponsored by the

White House Historical Association, the book addresses such diverse themes as the ways in which presidents shaped and reflected national taste in the arts; how the national tragedy of the Civil War translated into a personal ordeal for the Lincoln family; the changing public roles of the first ladies; the White House as a site for protests; and the often manipulative relationship between the media and the presidency.

Alfred Traverse, professor of palynology in the Department of Geosciences, is editor and chapter author of *Sedimentation of Organic Particles*, published by Cambridge University Press. This is primarily a reference work for palynologists, sedimentologists and paleobiologists, and for professionals working in the hydrocarbon industries.

Organic particles consist of spores, pollen and other land and marine-derived microfossils representing animals, plants, fungi and protists. These microscopic organic-walled fossils are found in most sedimentary rocks. Study of the particles reveals the conditions under which they were deposited and can provide information about the climate at the time of deposition. They are an important tool for dating rock in a stratigraphic sequence.

The book was inspired by a symposium organized by Professor Traverse at the 6th International Palynological Congress in Brisbane, Australia in 1988. The 35 contributors to the volume come from universities, petroleum corporations, and research institutions worldwide and represent a range of specialties in palynology and sedimentary geology.

The authors discuss work on the sedimentation of components of the palynofacies and describe their significance for sequence stratigraphy and the interpretation of ancient biologic and geologic environments. Following a comprehensive introduction to the subject, chapters focus on palynosedimentation in modern environments, the reconstruction of terrestrial vegetation, and the application of the data to sequence stratigraphy. Later chapters detail the various quantitative methods and their specific applications.

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## PENNSTATE INTERCOM

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# INTERCOM

August 25, 1994

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## Cable TV system to offer wide array of opportunities

A broad menu of new educational opportunities will be available to students returning to the University Park Campus this fall as a result of the development of a University cable television system for the 11,000 students living in residence halls.

Three years ago the University began wiring all University Park residence hall rooms for cable, a process completed this month. Prior to that time it was available only in designated television lounges in those buildings. Up until this past school year the cable service available was the standard fare offered by a commercial provider.

The new system launched for fall semester makes major changes to the cable system available to students, moving it from a basically entertainment-based system to one with broad educational opportunities.

For example, the new system provides access to 33 channels, including the Arab Network, the Asian Network, the British Broadcasting Company, the Canadian Broadcast Company, Univision (Spanish language programming), Bravo/RAI (Italian language programming), the Jade Channel (programming from the Far East), and a number of other international channels.

"The opportunities for students studying foreign languages to learn more about other cultures and to practice listening skills will be a big part of this new system," Tom Gibson, assistant vice president for housing and food services, said. "In addition, we expect the new cable system to be very popular among the growing international student population of the University. Many of them will be able to remain in touch with news and entertainment from their home nations just as easily as watching an American channel."

"At a time when Penn State is encouraging more students to spend part of their college experience overseas, this system also



## Firearms hearing on campus

Sen. Vincent J. Furno (D-Philadelphia), right, who heads the state's Select Committee to investigate the Use of Automatic and Semiautomatic Firearms, chaired a hearing Aug. 18 in the Agricultural Sciences and Industries Building on the University Park Campus. Penn State, along with three other locations across Pennsylvania, served as a hearing site for the committee charged with developing legislation to control gun violence. Witnesses at the hearing included University faculty, a professional target shooter, an area police chief and magistrate, a defense attorney, and representatives of a rifle association and handgun control group. On the left in the photo is Christopher Craig, legal counsel in the office of Sen. Furno.

Photo: Greg Grieco

See "Cable" on page 3

## Three named Administrative Fellows for 1994 - 95

Three Administrative Fellows have been appointed for the 1994-95 academic year.

They are:

■ Ingrid M. Blood, associate professor of communication disorders, College of Health and Human Development, who will serve under the mentorship of John A. Brighton, executive vice president and provost of the University.

■ Linda C. Higginson, Senior Division of Undergraduate Studies program

coordinator, College of Health and Human Development, who will serve under the mentorship of Robert E. Dunham, senior vice president and dean for the Commonwealth Educational System.

■ Cynthia L. King, director/senior mentor, Minority Staff Development Center, Office of Human Resources, who will serve under the mentorship of James M. Wagner, vice president for business and operations, and Gary C. Schultz, vice president for finance.

Dr. Blood, a graduate of Montclair, N.J., State Col-



Ingrid M. Blood



Linda C. Higginson



Cynthia L. King

lege, received her M.A. and Ph.D. degrees from Bowling Green State University. Prior to joining the Penn State faculty in 1985, she served on the faculty at Miami University, Oxford, Ohio, and Radford College, Radford, Va.

She has received a number of grants for her research and is the author of numerous papers in professional journals. At Penn State, she has been actively involved in departmental and college committees and served as a member of the Faculty Senate Ad-hoc Committee on Diversity in Curriculum.

A member of the Commission for Women since 1992, she currently serves as commission chair. In the community, she has been a trained volunteer for domestic violence and crisis and a member of the board of directors at the Women's Resource Center.

Dr. Blood is a member of the American Speech Language and Hearing Association, Pennsylvania Speech and Hearing Association, Acoustical Society of America, Society for Ear, Nose and Throat Advancements in Children, American Academy of Audiology, and American Auditory Society.

A graduate of the University of Delaware, Dr. Higginson received her master of education and doctor of education degrees from Penn State. She joined the University staff in the Office of Student Affairs in 1971; served as an undergraduate studies adviser in the Division of Undergraduate Studies, and joined the College of Health and Human Development in 1983 as director of academic support programs and instructor. In her current position, she directs all activities of the college's Undergraduate Advising Center.

At the University, she has served as chair of the University Hearing Board since 1991; is a member of the Advising Working Group (Subgroup of the Commission on Undergraduate Education); served as associate University Marshal since 1989, and was marshal-in-charge, Spring 1994 undergraduate commencement

See "Fellows" on page 3

## Assessing the climate

### Continuing and Distance Education undertakes survey to look at staff attitudes and environment

As part of its evolving effort to build and encourage diversity in its workforce, Continuing and Distance Education (C&DE) has completed an innovative assessment of the climate for diversity within the division.

The assessment, which took the form of a written survey distributed to all 324 staff members of C&DE, was developed by C&DE's Task Force on Diversity with assistance from representatives of the Commission for Women, Affirmative Action Office, Academic Council on Continuing and Distance Education, Office of the Vice Provost for Educational Equity, and other C&DE offices.

The purpose of the survey was to take a proactive stance in assessing C&DE's diversity climate by establishing a baseline or benchmark for all employees, according to James H. Ryan, vice president and dean of Continuing and Distance Education. Benchmarking the climate gave C&DE objective, measurable standards by which to judge progress.

"Diversity is an area that we see as crucial to the success of our organization," Dr. Ryan said. "So our first step was the same as with other strategic issues: to improve, you must first find exactly where you are."

James B. Stewart, vice provost for educational equity, said, "I think the climate survey is the best instrument that I've seen developed by any unit within the [Penn State] system, and I have shared it with other units, with a suggestion that this is how they might proceed" in preparing and working out their diversity strategic plans.

*A clear majority of all respondents perceived the climate as comfortable or very comfortable for people of various ages, women, race/ethnic minorities, religious minorities and people with disabilities.*

For the survey, "climate" was defined as "the prevailing attitudes or standards within the community with respect to fairness, openness, and sensitivity." Other important terms ("comfort," "work group," "supportive environment") also were clearly defined.

Susan B. Shuman, research project manager for C&DE's Office of Marketing Research, was principal author of the survey as co-chair of the Climate Subcommittee of C&DE's Task Force on Diversity. Surveys were mailed directly to staff, who then mailed the completed surveys to the analyzing agency. Responses were tabulated, and only analysis results (with any qualitative comments) were forwarded to C&DE; all originals were destroyed. The resulting confidentiality was seen as a major factor in the survey's unusually high (59%) response rate.

Findings of the survey were:

- Seventy percent of respondents say that they are "comfortable" or "very comfortable" with the climate of C&DE as a whole.

- A clear majority of all respondents perceived the climate as comfortable or very comfortable for people of various ages, women, racial/ethnic minorities, religious minorities and people with disabilities.

- Insensitive or non-inclusive language or offensive remarks, jokes, and stereotypical remarks did not occur often in work groups: 65 percent reported that they occurred "rarely" or "never."

The survey was successful in uncovering areas for further development:

- Women perceived the climate to be less comfortable than did men (31 percent of women reported climate as "somewhat comfortable" or "not at all comfortable," compared to 17 percent of men.)

- Climate was perceived by all respondents to be least comfortable for gay, lesbian, and bisexual people, with 21 percent reporting that they thought climate was "somewhat comfortable" or "not at all comfortable."

- Written comments indicate that significant numbers of women perceived an increase in leadership positions for women in C&DE. However, they also revealed that some women felt they are often treated as "assistants," and that they experience sexist attitudes.

"We're pleased to have all of information generated by the survey," Dr. Ryan said. "Long before the survey was created or suggested, the commitment had been made at the highest levels of C&DE to work on diversity and climate issues; now we know what needs to be done where to focus our energies."

Other proposed initiatives to improve the climate include:

- Development of a diversity ombudsperson program responsible for advocacy and the dissemination of information. The ombudspersons would report on key issues and concerns to Dr. Ryan and Patricia A. Book, associate vice president and associate dean for continuing and distance education.

- Enhancement of diversity programming initiatives, including orientation, mentoring and other staff development activities.

- Revision of employment procedures for full-time staff and faculty to ensure full attention to openness and equity in the search and selection process.

For more information on the climate survey, or for a sample of the survey instrument, contact Fred Loomis, 212 Keller Building, University Park, PA 16802; or call (814) 863-0203.

## New alumni group offers support for African Americans

African-American students on predominantly White college and university campuses often find themselves alienated and new to higher education. But African-American students at Penn State are about to get a lot more support through the efforts of the University's newest alumni group—the African American Alumni Interest Group (AAAIIG).

Officially formed last fall as a result of the first-ever African American Alumni Conference in October, "the group is looking for ways to strengthen the ties between Black American alumni and Black American students at Penn State to enrich their college experiences and enhance their career options," said Donald L. Campbell, chairman, president and CEO of Century Technologies Inc. (CENTECH) of Silver Spring, Md., and president of AAAIIG.

In a follow-up letter to conference participants, Mr. Campbell outlined the group's mission: "AAAIIG's mission is to assist the University in the recruitment and retention of African American students, faculty and staff; to encourage and support educational and career opportunities for African American students; to assist in the provision of financial support to African American students; to provide means by which African American alumni may be involved in the affairs of the University; to foster a sense of pride and a commitment to the University, and finally, to establish the AAAIIG organizational infrastructure that will further the goals of the Penn State Alumni Association and the University."

Key issues identified during the conference included recruiting, retention, networking, linking graduates with undergraduates, the climate at Penn State, student involvement and faculty and student support. Participants felt that all messages to students should emphasize academic excellence. The more than 150 participants attended in-depth sessions on recruitment, retention and financial aid, looked at minority programs already in place at many Penn State campuses and discussed ways to encourage success after graduation, whether through graduate school or networking with other alumni. They also looked at how alumni can get involved in these issues.

Since then, more than 100 alumni are now members of AAAIIG, which hopes to reach a membership of 1,000 by the end of the calendar year. In addition, at its June meeting, the board established standing committees for membership, strategic planning, program execution, fund raising and career development and job placement, and established regional chapters.

A regional chapter also is planned for the San Francisco metro area once a chair is identified. Alumni interested in participating on one or more of these committees are urged to indicate their preference on the membership application form.

The next AAAIIG event, an all-member meeting in early October, will likely be held in Philadelphia.

For more information and an application form, contact the appropriate regional chairperson, Don Campbell at (301) 585-4800, P.O. Box 60006, Potomac, MD 20854-0006, or the Penn State Alumni Association at (814) 865-6516.

## EOPC proposals for promoting equal opportunity sought

The Equal Opportunity Planning Committee is calling for proposals that focus on ways individuals, groups, and administrative units can work with the University in promoting equal opportunity.

Some areas for consideration include: undergraduate and graduate recruitment and retention; summer programs; programs on lesbian women, gay men and bisexual orientation; disability services; medical education; cooperative programs with other state institutions; faculty and staff development; women's equity issues, and ways to promote cultural understanding through multicultural education.

"We know that Penn State is a good place to learn for everyone," W. Terrell Jones, EOPC chair, said. "EOPC currently funds a number of excellent projects that prove this

to be true. Now we are looking for ways to utilize the resources of other units in our community to enable us to do more."

To assist in proposal development, a Proposal Writing Workshop will be held from 9 a.m. to noon Thursday, Sept. 8, in the Assembly Room of the Nittany Lion Inn at University Park. Participants will be shown how to develop a strong proposal, to prepare a manageable budget, to combine various funding sources, and what to do to make your presentation successful.

For additional information about the workshop, or where to send your proposal, call the Equal Opportunity Planning Committee at 863-7696.



## Cable

continued from page 1

will be helpful in introducing them to other parts of the world."

As of this month all the residence hall rooms are now wired for both video and data. Nittany Apartments, Eastview Terrace and Graduate Circle have not been wired by the University and will for the time being continue to receive cable service through a commercial vendor, TCI.

"Many other universities offer their own cable system because of the cost savings involved and because it offers more control over such a system," Mr. Gibson said. "We can design the system to meet specific educational needs that commercial vendors have not been able to interest in doing."

Because of the private nature of the University's in-house cable system, premium channels such as HBO will not be offered to viewers.

"This new system has been a cooperative effort involving many units of the University and with the support of the Association of Residence Hall Students," Mr. Gibson noted.

Students in the residence halls do not pay a specific fee for the cable connections in their rooms. It is included in their room rate. However, by switching to an in-house system, the University's costs have dropped from what they were last year.

To provide the new system, an earth station has been erected and a microwave antenna has been installed. The new system will include channels from Pittsburgh and Philadelphia, which many of the University's students call home. Stations from New York and Chicago, home of the Big Ten, also are included.

"We are looking forward to adding Eastview and Graduate Circle to the system because of the large international student population residing in those areas of campus," Mr. Gibson said.

The new technology also will allow some new features.

— There is the potential of broadcasting Penn State games that are televised or re-broadcasting games.

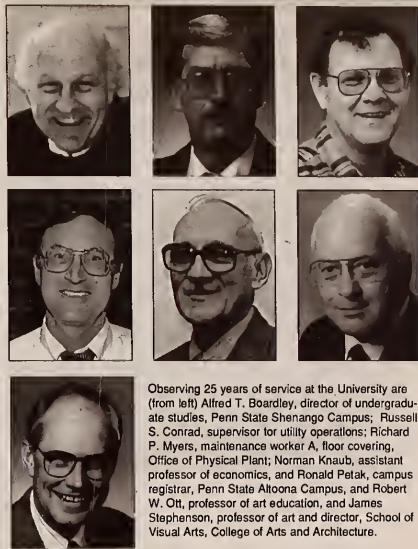
— There will be a special Penn State "Information crawl" channel that will provide news, calendar events, and other activities that are of specific interest to University students.

— Penn State will now have the technology in place to hook into the University's network to broadcast seminars, teleconferences and other events. There may be a day when students can watch in the comfort of their residence hall room their classes re-broadcast from earlier in the day.

## PENN STATE'S CABLE CHANNEL LINE-UP

channel #	channel
2	PSU/HFS Information
3	WPX (Penn State Public Television)
4	WTJ (CBS from Altoona)
5	WATM (ABC from Altoona)
6	WPXI (NBC from Pittsburgh)
7	WWCP (Fox Network from Altoona)
8	WPHL (Independent from Philadelphia)
9	WWOR (Independent from New York)
10	WGN (Independent from Chicago)
11	CHN (Cable Headline News)
12	The Weather Channel
17	CNN (Cable News Network)
18	ESPN
21	ESPN2
22	BET (Black Entertainment Television)
23	SCOLA (International Programming)
24	The International Channel (International Programming)
25	CBC (Canadian Broadcasting Co.)
26	BBC (British Broadcasting Co.)
27	UNIVISION (Spanish Language Programming)
28	C-SPAN 1
29	C-SPAN 2
31	The Arab Network
32	The Asian Network
33	Bravo/RAI (Italian Language Programming)
34	Mind Extension University
35	The Jade Channel (Programming from the Far East)
36	The Learning Channel
37	The Discovery Channel
38	A&E (Arts & Entertainment)
39	CNBC (Business & Talk TV)
40	VH-1 (Video Hits-1)
41	MTV (Music Television)

## 25-YEAR AWARDS



Observing 25 years of service at the University are (from left) Alfred T. Boardley, director of undergraduate studies, Penn State Shenango Campus; Rusell S. Conrad, supervisor for utility operations; Richard P. Myers, maintenance worker; A. floor covering, Office of Physical Plant; Norman Knaub, assistant professor of economics, and Ronald Petak, campus registrar, Penn State Altoona Campus, and Robert W. Ott, professor of art education, and James Stephenson, professor of art and director, School of Visual Arts, College of Arts and Architecture.

## Fellows

continued from page 1

ceremonies at University Park. She also has been chair of the Undergraduate Nominations and Fellowship committees, Penn State Chapter of Phi Kappa Phi, since 1990. Active in the National Academic Advising Association, she served as chair of its Strategic Planning Committee from 1991-93.

Dr. Higginson also is a member of the American Association of University Women, American Counseling Association, National Academic Advising Association, Phi Delta Kappa, and Phi Kappa Phi.

Dr. King is a graduate of the University of Pittsburgh with B.S. and M.Ed. degrees. She received a master of public administration and doctorate in higher education at Penn State. She joined the University staff in 1977 as assistant to the dean of student affairs at the McKeesport Campus. She later served as assistant to the dean of admissions and assistant director of undergraduate admissions. As director/senior mentor of the Minority Staff Development Center, she is responsible for the design, implementation, and evaluation of programs and courses to facilitate the retention of the University's non-faculty underrepresented employees.

A former chair of the Commission for Women (1986), she has served as chair of the OHR Task Force on Diversity and a member of the Continuing and Distance Education Task Force on Diversity, Diversity Summit for CES and Cooperative Extension, New Agenda for Women Committee, and the Strategic Planning Committee for CES.

Dr. King is a member of the American Association of Higher Education. She also is active in the Association for the Study of Higher Education, serving as a board member, chair of the Ethnic Participation Committee, and member of the Publications and Site Selection committees. In the community, she is active in Leadership Centre County and the American Heart Association.

The Administrative Fellows Program was developed upon the recommendation of the Commission for Women and is designed to provide an opportunity to enhance the administrative talents and qualifications of women and minorities by involving them in mentorship experiences with top-level administrators at the University.

The program provides opportunities for Fellows to participate in a wide range of decision-making processes, learning activities, and program management, so they are better equipped to handle the challenges of higher education administration. The Fellows Program also will help create a pool of qualified women and minorities for potential administrative vacancies, both inside and outside the Penn State community.



## LEADERSHIP PROFILE

# JAMES J. STAUDENMEIER

## MOUNTAINTOP CAMPUS LEADER IS JUST ONE OF THE NATIVES

"THE CAMPUS IS A PLACE THAT PEOPLE SEEM TO WANT TO RETURN TO..."



James J. Staudenmeier, Hazleton Campus CEO.

Photo: Steve Tressler

CEO JAMES J. STAUDENMEIER CLAIMS AND WITH SOME JUSTIFICATION — THAT PENN STATE HAZLETON IS "THE TOP CAMPUS IN THE SYSTEM."

"After all," he points out, "Hazleton's elevation is the highest of any Pennsylvania city's, and that's where our campus is. From our mountain top, we also have the best view in the system!"

The Penn State presence in Hazleton began in 1934, but it was in 1948 that the campus acquired the baronial stone mansion of Highacres from the Markle family and moved to its present 85-acre site. Now its 14 buildings accommodate a 122-member full- and part-time staff, along with some 1,200 students, 476 of whom live in residence halls.

Hazleton has made every effort to preserve the natural wooded beauty of its mountain top setting, and the raised flower gardens in front of the mansion are a favorite site for wedding photographs.

"The campus is a place that people seem to want to return to," Dr. Staudenmeier says, and he divides its population into three categories: native, near-native and adopted.

"The natives," he explains, "attended Hazleton as students and returned as employees. A partial list includes our directors of Athletics, Student Affairs and Business Services, the bookstore manager, staff assistants in the library, Student Affairs and Uni-

versity Relations, as well as the registrar, the daytime maintenance foreman and several faculty members.

"Our coordinator of nursing actually lived on the campus as a child in one of the old Markle Estate buildings."

Dr. Staudenmeier defines his "near-native" category as those people who have 10 or more years of service at Hazleton, and that turns out to be more than half of the staff.

"Our 'adoptees,' he continues, "are the students. An adopted child once told me, 'I'm special because I was chosen and I also chose them.' We make offers to students and in a sense adopt them, and when they accept, they choose us."

One of the attractions for students is the recently introduced baccalaureate option in communications. The campus has been selected, along with Beaver, as one of two sophomore centers for the School of Communications.

"We have a variety of media located within an hour's drive," Dr. Staudenmeier says. "Not only are they glad to provide opportunities for our students but also, being smaller in scale than the major metropolitan media, they can give an intern more individual attention."

The campus also pioneered a physical therapy assistance program that leads to an associate degree.

"This was a case," Dr. Staudenmeier recalls, "where our admissions officer, in talking with high school

guidance counselors, discovered that there was a growing need for professionals with this kind of training. The program has been in operation for 17 years now and has been highly successful."

Dr. Staudenmeier will celebrate his 30th year with Penn State in 1995. A licensed psychologist, he earned his B.A. at Mount Saint Mary's College and his M.S. at Bucknell. In 1965 Penn State granted him a doctorate in counseling and psychology, which he promptly put to use in the Division of Counseling, traveling between Hazleton, Wilkes-Barre and Scranton to provide psychological, educational and career counseling.

"I still recall clearly the interviews I had after applying for that first DOC position," Dr. Staudenmeier says. "One campus director told me that 'the advantage of working with Penn State is that if you stay around long enough you always get a second opportunity to do something, so if you do it wrong the first time, you'll have a chance to correct it, and if you do it right the first time, you'll have the opportunity to do it even better."

"One of the other directors told me that if I could handle organized confusion, I'd enjoy working with Penn State."

"As I look back over my experiences, I'd have to say there was some truth in both those pronouncements. To this day I remain intrigued by the intricacies of the system, and, in particular, by the similarities between the campuses, including the 'Centre County' one. The most important constant I've observed is the drive to provide our students with a quality experience both in and out of the classroom."

After two years as an "itinerant counselor," Dr. Staudenmeier eventually settled down at Hazleton, just a short distance away from his boyhood home in Ashland, and worked his way through a variety of positions. He

served at various times as an instructor in psychology, psychologist-counselor, admissions officer, registrar and director of academic affairs. He was named CEO in 1987.

"I think my background as a psychologist is a real asset in this job," he reflects. "I've learned that to understand someone, you have to look at the whole person, and not just consider him or her as a Penn State employee at Hazleton. I try to get to know as much as possible about the people who work for me."

"Another important element in dealing with people is what I like to call 'the flip side of communication.' We learn to communicate through talking, but listening to others — the 'flip side' — is equally important and often forgotten."

"For me, the ultimate test of a successful leader is to look at how well people perform for that individual. That's how I want to be judged."

If the Staudenmeier family were to be judged on their enthusiasm for a Penn State education, they would certainly receive an A+.

"My wife, Dorothy, as a nursing student took Penn State courses," Dr. Staudenmeier notes. "My son, Jim Jr., and my daughters, Robin and Laura, are graduates, and my youngest daughter, Sara, finishes up this year. Of course, all four spent their first two years at Highacres."

"A sister and brother attended Penn State. Of the nine nieces and nephews with Penn State degrees, five started out at Hazleton. I also have two sisters-in-law and several second cousins who count as alumni."

"And, of course," Dr. Staudenmeier concludes, "we already have a pretty clear idea of where our grandchildren are going to go to college!"

PENN STATE



## Pilot research receives funding

The Center for Child and Adolescent Health Behavior has awarded three small grants to faculty members for pilot research.

The center, based in the College of Health and Human Development, is one of five nationwide to be funded under a National Institutes of Health research initiative. Its purpose is to stimulate new, interdisciplinary research on health and behavior of children and adolescents.

The 1994-95 pilot projects include:  
— Promoting Adolescent Health in Divorced-Mother Families: The Families and Successful Teens Program. Bonnie L. Barber, assistant professor of human development and family studies; Natalie M. Ferry, cooperative extension agent-Family Life and Health; Mary Laeger-Hagemeyer, cooperative extension-home economist; and Christine A. Tomasick, cooperative extension agent-nutrition.

— Parents' Child Feeding Strategies, the Regulation of Food Intake, and the Emergence of Dieting Among Eight- and Nine-Year Olds. Leann L. Birch, professor and head of human development and family studies, and Susan Johnson, research associate.

— The Resilience Among Rural Youth: Secondary Data Analysis and Preliminary Follow-Up. Lisa J. Crockett, associate professor of human development, and Judith Vicary, associate professor of health education.

## Partings

### Former head of history retires after 31 years

Charles D. Ameringer, professor of Latin American history and former head of the Department of History, has retired with emeritus status after 31 years service.

Dr. Ameringer is a Latin American scholar whose specialty is the Spanish-speaking Caribbean in the national era. He is the author of four books, *The Democratic Left in Exile: The Anticlerical Struggle in the Caribbean, 1945-1959*; *Don Pepe: A Political Biography of José Figueres of Costa Rica*; *Democracy in Costa Rica*; and *U.S. Foreign Intelligence: The Secret Side of American History*.

He also is the editor of *Political Parties of the Americas, 1980s to 1990s: Canada, Latin America, and the West Indies*, and the author of numerous articles which have appeared in professional journals, including the *American Historical Review*, and book chapters. His current research includes preparation of a book-length manuscript on "The Caribbean Legion: Patriots, Politicians, and Soldiers-of-fortune, 1946-1950" which has been accepted for publication by the Penn State Press.

Dr. Ameringer served as head of the Department of History from 1985 to 1990 and as chair of the Latin American Studies Committee of the College of the Liberal Arts for several terms during the 1960s and 1970s. He was instrumental in developing Latin American Studies as a major in the College.

During his career, he was active in professional associations promoting Latin American studies. He was founder and first president of the Middle Atlantic Council of Latin American Studies, a regional organization of the Latin American Studies Association, of which he also was a founding member. He has been active in University service, having been a member of the University Faculty Senate on three occasions and chair of the Liberal Arts Council of Senators for two terms.

A graduate of the University of Wisconsin-Madison with a bachelor of arts degree in Latin American studies, he holds the master of arts and doctor of philosophy degrees from the Fletcher School of Law and Diplomacy of Tufts University. He did post-graduate study at the National University of Mexico.

Dr. Ameringer is a member of the American Historical Association, Conference on Latin American History, Latin American Studies Association, and the Middle Atlantic Council of Latin American Studies and served two terms as president of the Middle Atlantic Council of Latin American Studies.



Charles D. Ameringer

### Professor departs after 34 years of service

Vincent P. Norris, professor of communications, has retired after 34 years of service.

His teaching and research interests center on the economic aspects of mass communications. He regularly taught courses on the Political Economy of Communications, Advertising in the American Economy, and Comparative Theories of Press Systems.

Dr. Norris has written numerous articles that have appeared in publications such as *Journal of Communication*, *Journal Quarterly*, *Journal of Advertising*, and *Public Communication Review*. He has been consulting and contributing editor for the *Journal of Communication* and *Public Communication Review*. He has served as a member of the editorial board for *Journal Quarterly*, *Journal Monographs*, and *Journal of Media Economics* and has been a referee for the *Journal of Advertising* and *American Journalism*.

Dr. Norris has been identified by the British Centre for the Study of Communication and Culture as one of 17 Americans who has made "significant contributions to the literature on the social effects of advertising." He also has been named as one of the "50 most productive researchers" in mass communications, and one of the "50 most frequently cited authors" in major communications journals.

Prior to teaching at Penn State, Dr. Norris received his Ph.D. in communications, with a minor in economics, in 1960 from the University of Illinois, Urbana.

Dr. Norris and his wife, Jane, will continue to live in State College, where he will spend more time trout fishing at local streams.

## Benefit changes

Faculty and staff members are reminded that during November of each year, they have the opportunity to make changes to their University-provided benefits. While the benefits information material will not be mailed until October, all eligible employees are urged to begin thinking about their current coverage.

In addition to assessing current participation, please consider the following:

● Benefit information packages, including a statement of current benefits, will be sent to your campus mailing address. In order to receive your benefits information in a timely manner, your campus address must be current. Your Human Resources Representative can help with this, if necessary.

● Benefit confirmation statements will be mailed to home addresses at the end of the switch enrollment period. Faculty and staff members are reminded that the only method for changing home address is to complete a new W4 form. In order to receive your confirmation statement in a timely manner, your home address must be current.

● Participation in Flexible Benefits Option I allows you to pay your premiums for University health care and life insurance benefits with pre-tax dollars, which increases your net income.

● Participation in Flexible Benefits Option II, for medical expense reimbursement, and Option III, for dependent care reimbursement, allows you to pay for medical expenses not covered or for costs for dependent care with pre-tax dollars, which does increase your net income. You should consider them, if you have not already. If you have enrolled, please remember that Option II and III require annual reenrollment. Participants who do not complete an election form for either of these options will not have flexible benefit deductions in 1995.

● The ability to change the amount contributed, or stop contributions to either medical expense reimbursement or dependent care reimbursement accounts, is severely restricted. Changes may be made only within 60 days of an IRS defined qualified change in family status.

Questions regarding the switch enrollment period should be directed to Employee Benefits at (814) 865-1473 or e-mail BENE@PSUadmin.

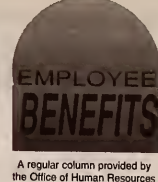
## Faculty/Staff Health Promotion

All health promotion programs for the faculty and staff of the University Park Campus have been announced via mailings of the *Healthy Happenings* brochures and the Human Resource Development Center Schedule of Courses. Participant enrollment is limited (as indicated below); costs, schedules and registration forms for the programs are contained in the brochures.

● Craft Smart Shopping Tour (10); "Culinary Hearts Kitchen (15); Enlightening Lunch "Taking Care" Series (45 per session); Fresh Start Smoking Cessation (12); HIV/AIDS: Spread Facts Not Fear (30); "My New Weight of Life (20); No Butts About It (30); An Ounce of Prevention...Men's Screenings For Life (25); An Ounce of Prevention...Women's Screenings For Life (25); "Weight Watchers At Work."

Employees enrolled in Health America's Health Maintenance Organization may be reimbursed for courses marked with a \*. For reimbursement information consult the HealthAmerica Plus Services brochure, or call HealthAmerica at (800) 366-6433 or (814) 231-8970.

Members of the Faculty/Staff Health Promotion staff are available to answer questions regarding these and other health promotion programs at 865-3085. E-mail inquiries may be directed to Jan Hawbaker at JQH3@PSUadmin.





## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Big Ten balloting

Media representatives attending the annual Big Ten Football Kickoff Luncheon in Chicago listed Penn State No. 3 in their preseason balloting to identify the favorite for the 1994 conference championship. Ranking the first four choices in a weighted vote, Michigan surfaced as the media's selection with 84 first-place votes and 434 total points. Wisconsin settled in second place with 76 firsts and 272 points. The Nittany Lions came in third with 228 points (36 first-place ballots).

### Penn State Sports Network

There will be a familiar voice behind the microphone when the Penn State Sports Network resumes its coverage of the Nittany Lion football team this fall. Fran Fisher, who was color commentator and play-by-play announcer from 1966-82, has agreed to serve on an interim basis as the Lions' announcer in 1994, replacing Bill Zimpler, who accepted a job as the new voice of the Miami Dolphins. Mr. Fisher will team with George Paterno on the network coverage, which is aired by 60 radio affiliates in five states.

### Quarterback Club

Coach Joe Paterno will hold the first of his weekly meetings with the State College Quarterback Club at 11:30 a.m. Wednesday, Aug. 31, in the Nittany Lion Inn. The luncheons will continue every Wednesday throughout the season. Membership in the State College Quarterback Club is open to the general public. The membership fee is \$30. The 1994 president of the Quarterback Club is Bill Gettig.

### Big Ten Volleyball

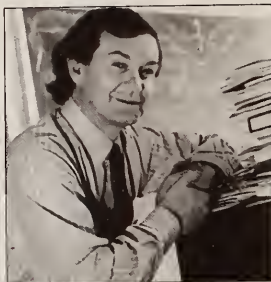
The annual Big Ten Volleyball Coaches Kickoff was held at Penn State Aug. 12, attracting more than 100 people to a luncheon at the Nittany Lion Inn. Conference volleyball coaches tabbed Ohio State as the preseason favorite with national runner-up and defending Big Ten champion Penn State No. 2. The Lady Lions were No. 3 in the *Valleyball Monthly* national preseason poll and the Lady Buckeyes fourth.

### Appointments

Darrell Flood, three-year captain of the cheerleaders at Grambling State University, has been named Cheerleading Coach at Penn State. A three-year letterwinner as a student-athlete, Lisa Bervinchak, returns to State College as Char Morrett's new assistant in field hockey. Derba Lombardi brings Big Ten experience to her duties as assistant coach in women's track and field. A Washington State graduate, Ms. Lombardi was an assistant, focusing on strength and conditioning, at Iowa from 1987-91. Shelper, W.Va., College graduate Sherry Price is the new graduate assistant coach in women's basketball. Frank Berkey and Karen Kalafsky have joined the athletic department staff as interns in sports information and marketing respectively. Both are recent Penn State graduates.

## Oxford University professor to present Sept. 2 lecture on functions of the brain

Sir Roger Penrose, Rouse Ball Professor of mathematics at Oxford University and Francis R. and Helen M. Pentz Visiting Professor of physics and mathematics at Penn State, will present a lecture titled "Shadows of the Mind" at 7:30 p.m. Friday, Sept. 2, in 101 Osmond Laboratory on the University Park Campus. The lecture is free to the public.



Sir Roger Penrose

Dr. Penrose will discuss his ideas on the interface of quantum mechanics, mathematical reasoning, and the functioning of the human brain. The lecture provides a preview of Dr. Penrose's forthcoming book, *Shadows of the Mind*, which will be published by Oxford University Press this fall.

His lecture is a highlight of the conference on Quantum Geometry sponsored by the Center for Gravitational Physics and Geometry, the Department of Physics, and the Department of Mathematics. The conference examines common threads among recent advances in quantum gravity, computational physics, and mathematical developments in low-dimensional manifolds.

Experts from the United States, Canada, and Europe will discuss such topics as noncommutative geometry, simplicial quantum gravity, topological field theories and invariants of low-dimensional manifolds, holonomy algebras, loop representations, string theory, and quantum black holes. In addition, the conference will provide ample time for audience participation and discussion.

The conference will take place from Sept. 1 to 3. For the full conference program and other details, contact Karen Brewster by phone (863-9605), fax (863-9608), or e-mail (Brewster@phys.psu.edu).



The Microcomputer Order Center has made many improvements over this summer. The following changes are part of a continuing effort to improve our customer service:

#### MOC Sales Office Move

The Microcomputer Order Center Sales Office has moved to 12 Willard Building, site of the MOC Systems Evaluation Laboratory. By consolidating these offices, we hope to streamline our sales process.

#### MOC Sales Office Extended Hours

You may now place your order Monday through Friday, 8:30 a.m. to 4:30 p.m. The MOC Sales Office is also open through the lunch hour for your convenience. The MOC Systems Evaluation Laboratory also will extend its regular hours: Monday through Friday, 8:30 a.m. to 7 p.m., and Saturday, 10 a.m. to 2 p.m.

#### A Quick Sale at the MOC

Some of the MOC's smaller, more popular products such as ink cartridges and some software applications will now be stocked at 12 Willard Building. Your order and pick-up can be combined into one trip!

#### MOC Pick-Up Center Accepts Payments on Account

The MOC Pick-Up Center, 122C Computer Building, will now accept checks for final payment at time of order pick-up. Initial orders must still be placed at the MOC Sales Office, 12 Willard Building, with at least a 10 percent down payment. The remaining balance may be paid either at the MOC Sales Office or at the MOC Pick-Up Center.

#### MOC 800 Number

The Microcomputer Order Center can now be reached toll-free from anywhere in Pennsylvania at 1-800-251-9281. University Park/State College area residents can still call the MOC at 865-2100.

#### Compaq

The Microcomputer Order Center proudly introduces Compaq Computers into our group of computing products offered to the Penn State community. Their laptops and PCs offer alternative DOS solutions to your computing needs. The Compaq brand is synonymous with quality, reliability, compatibility, and customer support, and the company is one of the fastest growing computer companies in the world. Full information and price lists will be available in late August.

#### Back-to-School System Bundle Sale

The IBM and Apple computer system bundles are still available to order through the fall while supplies last. These systems were highlighted in our Back-to-School newsletter sent out in this summer. If you would like another newsletter, please contact the MOC. For current pricing and availability information, contact the Microcomputer Order Center.

# Demolition of poultry barns nearly complete

Multi-purpose playing fields could be ready by spring

The construction of three multi-purpose playing fields near the McCoy Natatorium at University Park, part of a \$3 million project to give green space back to the students, will soon be a step closer to reality.

Demolition of poultry barns on the site is expected to be completed by the end of August.

"If things continue to go well, and the weather allows us an early start this fall, it's possible that the fields could be ready for use as early as spring 1996," James M. Wagner, vice president for business and operations, said.

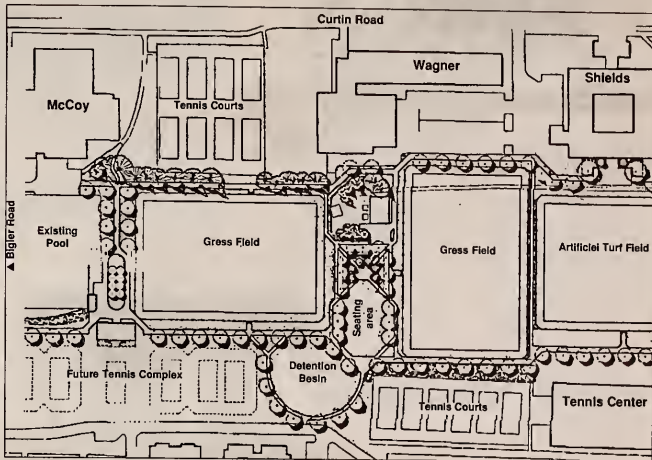
Ultimately, the project means that students will be playing soccer, field hockey, and lacrosse where chickens once made their homes. According to the plan, three multi-purpose playing fields will be created on the 15-acre site between the Natatorium's outdoor pool on Bigler Road and University Drive.

In addition to the playing fields, the plan calls for pedestrian walkways, landscaping, fencing around the fields, a detention pond to handle stormwater runoff, and 182 more spaces in the Shields Building parking lot.

Norman H. Bedell, assistant vice president of Physical Plant, said the new walkways will greatly improve pedestrian movement between central campus and the new Bryce Jordan Center when the center is completed in the fall of 1995.

To permit construction of the new fields, several trees were removed from the area. These trees will be replaced, he said, and additional trees planted to enhance the beauty of the area.

A historically significant stone structure on the site, previously used for poultry sales, will soon be getting some exterior cleanup and painting. As funding permits, the University hopes to develop a tennis center in the area.



Layout of the new Bigler Road Athletic Facilities

## Dust buster

Terry Carlson, with U.S. Dismantlement Corp., keeps a steady stream of water trained on this pile of rubble that was once a poultry barn in an effort to keep dust down as the debris is removed.

Photo: Greg Grieco



## Obituaries

Frank I. Anthony, professor emeritus of agricultural education, died July 30. He was 81.

He received a bachelor of science, master of science and Ph.D. in agricultural education from Penn State.

Dr. Anthony joined the University faculty in 1950 and retired in 1978. Previously he served as head of the Department of Farm Mechanics at the National Farm School and as director of agricultural education and extension at the American University of

Beirut and Near East Foundation. While at the University, he served as a visiting professor at Rutgers University and the universities of New Hampshire, Maine and Rhode Island.

He conducted research in hunter and firearm safety and basic testing programs presently used to educate and screen hunters younger than 16, and was active in promoting safety education through the state school systems.

Dr. Anthony was awarded the

Honorary American Farmer Degree by the National Association of Future Farmers of America and the Honorary Keystone Farmer Degree from the FFA's Pennsylvania Association. In 1969, he was named "Man of the Year" by the Pennsylvania Rural Electric Association. He was a member of Phi Delta Kappa, national education honor society, and Alpha Zeta agriculture fraternity, Morrill Chapter at Penn State.

Memorial contributions may be made to the Frank Anthony Scholar-

ship Fund, c/o Samuel Curtis, 401B Agricultural Administration Building, University Park.

W. Wayne Kern, clerk, end procedures, University Libraries; from Sept. 13, 1955, until his retirement June 30, 1986; died July 2. He was 59.

Nile L. Stover, utility worker, Housing and Food Services; from Sept. 8, 1958, until his retirement Sept. 9, 1968; died July 14 at the age of 88.



# The ARTS

AT PENN STATE

## "Galactic Visions"

The College of Arts and Architecture School of Visual Arts presents an exhibition of a touring body of art and living space by space-age artist **Shawn Christopher Paris**. "Galactic Visions: A Sculptural Living Environment" will be on view in the Zoller Gallery of the Visual Arts Building, Aug. 26 through Sept. 25. Visitors will have the opportunity to voyage to the far reaches of the universe and visit Mr. Paris' vision of a futuristic living area complete with galactic art, space age chairs, plant life and cosmic music.

Using a variety of materials, including wood, foam, metal, holographic mylar and even meteorites, Mr. Paris created this special living environment because he and his family had no furniture when they moved into their Hollywood, Fla., home several years ago.

"Since we really couldn't afford to buy normal furniture at the time," he says, "I decided to create a living environment out of art. I use meteorites in my work because I am certain that in the future when we vacation in space we will be bringing home moon rocks and meteorites and making art from them just as we do with seashells today. In a sense I consider my work antiques from the 23rd century."

Although he resides in Hollywood, Florida, Mr. Paris is a native of Pennsylvania and sees this show as symbolic. "I think that is is very interesting that my own living environment will be coming to Pennsylvania, the place where I spent so much of my early life. Even though we are without furniture again, it is nice to be able to invite people over to the house in cities all over the world."

The Zoller Gallery is located in 101 Visual Arts Building on the University Park Campus. Gallery hours are 9 a.m. to 5 p.m. Monday through Friday; 11 a.m. to 4:30 p.m. Saturday; noon to 4 p.m. Sunday. The exhibition is free to the public.

## Trombone recital

Trombonist **Mark L. Lusk**, associate professor of music, will present a recital at 8 p.m. Sunday, Aug. 28, in the School of Music Recital Hall on the University Park Campus.

The program will feature fellow faculty members **John Daniel**, trumpet; **Anthony Leach**, piano; and new faculty member **Marty Erickson**, formerly of the United States Navy Band, on tuba. The program will include music by Sulek, Vaughan Williams, Stevens, Casterede and The Pennsylv-

ania Brass on Bernstein's "West Side Story."

The recital is free to the public.

## Single ticket sales

Single tickets for the Center for the Performing Arts events go on sale Aug. 29 in the Eisenhower Auditorium Ticket Center. Tickets may be purchased for any of the 30 events of the 1994-95 season, which runs from September through April.

A few of the season's highlights include Della Reese on Thursday, Sept. 23; "The Secret Garden," Friday, Nov. 4; flutist James Galway, Wednesday, Nov. 9; "The Nutcracker," Friday and Saturday, Dec. 2 and 3; Andre Watts with the Minnesota Orchestra, Saturday, Jan. 21; "The Barber of Seville," Saturday, Feb. 18; the Bill T.

Jones/Arnie Zane Dance Company, Saturday, March 18, and Pinchas Zukerman with the Baltimore Symphony Orchestra, Wednesday, April 19.

For a free season brochure, tickets or more information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

## Valloiton artwork

The exhibition, "Felix Valloiton: Prints and Preparatory Drawings," opens Tuesday, Aug. 30, and continues through Sunday, Oct. 9, at the Palmer Museum of Art on the University Park Campus.

Felix Valloiton (1865-1925) was a Swiss born graphic artist whose prints were seminal in the revival of the woodcut as an artistic medium in France at the end of the 19th century. His prints were among the most original of his time, both formally and thematically.

To complement the exhibition,

**George Mauner**, distinguished professor of art history and director of the Institute for the Arts and Humanistic Studies, will present a lecture, "Felix Valloiton and the Eclectic Mainstream of Swiss Art" at 7:30 p.m. Tuesday, Oct. 4, in the Palmer Lipson Auditorium. His lecture is sponsored by the Friends of the Palmer Museum of Art.

Graduate assistant **Jennifer Olson** will present a series of Gallery Talks to further complement the exhibition. The Gallery Talks are scheduled at 11:30 a.m. Friday, Sept. 9; 11 a.m. Saturday, Sept. 17, and 11 a.m. Saturday, Sept. 24. The Gallery Talks begin in the Christoffers Lobby of the museum.

The museum, located on Curtin Road, is open Tuesday through Saturday from 10 a.m. to 4:30 p.m.; noon to 4 p.m. Sunday, and closed Mondays. Admission is free.

## Clarinets recital

**Smith Toulson**, School of Music faculty,



## Chamber music

Appearing at 8 p.m. Thursday, Sept. 1, in the School of Music Recital Hall on the University Park Campus are Ir: violinist **Joanne Zagst**, pianist **Carl Blake** and cellist **Leonard Feldman**.

ty member, will present a clarinet recital at 8 p.m. Wednesday, Aug. 31, in the Recital Hall of the Music Building on the University Park Campus.

Mr. Toulson, a member of the Pennsylvania Quintet, will be joined by **Jill Olson**, piano; **Diane Gold Toulson**, flute, and **Dan C. Armstrong**, percussion. The program will feature a wide range of instrumental combinations, opening with a performance of Paul Hindemith's *Sonata for Clarinet and Piano*. In addition two works by French composers will be presented: *Sonatine for Flute and Clarinet* by **Andre Jolivet**, and *Circus Parade* by **Pierre Max Dubois**. **Aaron Copeland's Concerto for Clarinet**, originally for clarinet and strings, but arranged by the composer for clarinet and piano, will conclude the recital.

In addition to his position on the

faculty, Mr. Toulson is principal clarinet in the Penn's Woods' Festival Orchestra, the Central Pennsylvania Chamber Orchestra, and the Nittany Valley Symphony, with whom he will perform Debussy's *Premier Rhapsody* in December. In June, as a member of the Eastern Chamber Players, he toured Switzerland, giving concerts in Zurich and Bern.

## Chamber music recital

Pianist **Carl Blake**, assistant professor of music and associate director of the Institute of Arts and Humanistic Studies, will present a chamber music recital with members of the Alard Quartet at 8 p.m. Thursday, Sept. 1, in the School of Music Recital Hall on the University Park Campus.

The program will feature Mendelssohn's Trio in C Minor, Op. 66 and Dvorak's Quartet in E-flat Major, Op. 87. Violinist **Joanne Zagst**, violist **Donald Hopkins** and cellist **Leonard Feldman** will assist Dr. Blake.

Dr. Blake has performed throughout the United States, France, England and Jamaica, and collaborated with French virtuoso pianist **Jean-Philippe Collard**, baritone **William Warfield**, soprano **Veronica Tyler** and conductor **Kent Nagano**.

The recital is free to the public.

## Operatic arias

Penn State School of Music faculty members, **Norman Spivey**, baritone, and **Tony Leach**, pianist, will present a recital of operatic arias at 8 p.m. Tuesday, Sept. 6, in the School of Music Recital Hall on the University Park Campus.

The program will include 17th and 18th century arias by **Caccini**, **Paisiello**, **Torelli**, **Monteverdi**, **Gluck**, **Handel** and **Haydn**; 20th century arias from **Strauss' "Ariadne auf Naxos"**, **Kornfeld's "Die tote Stadt"** and **Corigliano's "The Ghost of Versailles"**. Dr. Spivey, who joined the School of Music faculty in 1992, received the doctor of musical arts degree from The University of Michigan. He spent four years in Paris, France, as a Fulbright Scholar, a Woody Scholar and performing artist.

Mr. Leach, instructor in music education and a Ph.D. candidate in choral music education, has served as interim director of the Penn State Choir, Chamber Singers and Glee Club and music director of Pennsylvania Centre Stage.

The recital is free to the public.

## Penn State Harrisburg

A public display of the works of Lancaster artist **Carli Galligan** opens this year's series of exhibitions in Penn State Harrisburg's Gallery Lounge.

Ms. Galligan, a consistent award-winner and frequent exhibitor in the Northeast, is displaying her work until Sept. 23. "My Garden Stories" is the theme of the exhibition which will include a public reception for the artists from 5 to 8:30 p.m. Sept. 7.

Ms. Galligan explains that "destruction, rebirth and spiritual renewal have been recurring themes in my work since the early 1970s." Her work being displayed include mixed media, acrylic on paper and acrylic on canvas.

## UNIVERSITY PARK CALENDAR



### Palmer Museum of Art

An exhibition of prints and drawings by Felix Vallotton is on display through Oct. 9 at the Palmer Museum of Art on the University Park Campus.

### Special Events

**Friday, August 26**  
Gallery Talk, 2:30 p.m., Christoffers Lobby,  
Palmer Museum of Art. Tom Morton on  
"Why Does the Palmer Museum Look  
the Way It Does?"

**Geography Coffee Hour, 3:30 p.m., 319  
Walker Bldg.** William Welch on "The  
Gloves of State College."

**Sunday, August 28**  
School of Music, 8 p.m., Recital Hall. Mark  
L. Lusk, trombone.

**Tuesday, August 30**  
Biology, 4 p.m., 8 Mueller Lab. Bruce Weil  
on "Looking for Genes with Linkage Dis-  
equilibrium."

**Nutrition, 4 p.m., S-209 Henderson Bldg.**  
South. Marian Hetherington on "The  
Pleasure of Eating: Chocolate Addition  
Explored."

**Wednesday, August 31**  
School of Music, 8 p.m., Recital Hall.  
Smith Toulson, clarinet.

**Thursday, September 1**  
School of Music, 8 p.m., Recital Hall. Carl  
Blake, piano; Joanne Zagst, violin; Don-  
ald Hopkins, viola, and Leonard Feld-  
man, cello.

**Friday, September 2**  
Geography Coffee Hour, 3:30 p.m., 319  
Walker Bldg. Robert H. T. Smith on  
"International Education and the Role of  
the Australian Education Office."

### Public Radio

**WPSU-FM 91.5**  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Sat. & Sun., 5-7  
p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5  
p.m.  
"Odyssey Through Literature with S.  
Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McPartland," Mon.,  
8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

### Seminars

**Tuesday, August 25**  
Computer Science and Engineering, 4  
p.m., 302 Pond Laboratory. Osama  
Mowall on "Wireless and Secure Sys-  
tems."

**Wednesday, August 31**  
Gerontology, noon, 101 Health & Human  
Development Bldg. East. Keijo Häkkinen  
on "Aging, Muscle Strength, and  
Strength Training in the Elderly."

### Exhibits

#### Potter

**West Lobby Gallery:**  
Sophie Richmond, watercolors of Pennsylv-  
ania and the Grand Canyon, through  
Sept. 15.

**East Corridor Gallery:**  
"A Day in Germany," photography from  
"new Germany," Sept. 1-30.

**Lending Services Gallery:**  
Steve Thompson, photography. Through  
month of August.

■ "Fragments of Prague," Helena Luks  
Martensucci photography, through Sept.

**Palmer Museum:**  
"Felix Vallotton Prints and Preparatory Draw-  
ings," through Oct. 9.

■ "Gifts to Celebrate the New Museum,"  
through December 11.

**Zoller Gallery:**  
"Galactic Visions," Aug. 26 through Sept.  
25.

■ Reflects an international perspective

### TIPS

**Information Penn State**  
Call 863-1224, and enter the number of the  
message you wish to hear. Messages are  
listed in the front of the telephone  
directories. Other messages are  
Weather-234; Arts Line-345; Univer-  
sity Calendar-456.

## News in Brief

### Volunteers sought

Volunteers are being sought for a research study on medical treatment deci-  
sions and advance directives. Subjects should be between the ages of 30 and  
40 or between the ages of 65 and 75. Participation involves a one-time inter-  
view. For more information, call Lori at 231-8363.

### Fellowship applications

Applications for Institute for the Arts and Humanistic Studies Faculty  
Research Fellowships, for which research or creative work will be accom-  
plished during the period January through June 1995, are due at Ithaca Cot-  
tage at University Park by 5 p.m. Monday, Oct. 3. For further information  
or a copy of the guidelines, call the Institute at 865-0495.

### NFS grant

The National Science Foundation has awarded a grant of \$60,909 to civil engi-  
neering technology faculty at Pennsylvania College of Technology. The  
monies will be used to purchase advanced equipment such as satellite sur-  
vey technology, a geographic information system, and other survey devices  
which will enhance instruction in the college's civil engineering technology  
and surveying technology programs.

The Penn College project, titled "Civil Engineering Technology:  
Advanced Geodetic Science and Surveying Curriculum Development," is  
directed by William H. Sprinsky, associate professor of civil engineering  
technology. With matching funds from the college, project funding will total  
\$121,818.

"This project will impact more than 200 students annually, strengthening  
significantly their knowledge of the state-of-the-art technology essential to  
effectively meet the critical challenges of tomorrow's civil engineering pro-  
jects," Dr. Sprinsky said.

## PROMOTIONS

### Staff

Lisa M. Bayer, marketing manager  
in Research and Graduate School.  
Sally A. Boltz, staff assistant V at  
Hershey Medical Center.  
John B. Carnicella, senior applica-  
tions programmer/analyst in Office  
of the President.

Stephanie A. Cates, staff assistant  
VI at Hershey Medical Center.  
Xiaolo Chi, technician-research at  
Hershey Medical Center.

Elizabeth M. Del Valle, staff assistant  
VI at Penn State Great Valley.

Lisa A. Doster, staff assistant VI at  
Hershey Medical Center.

Barbara M. Edwards, staff assistant  
V at Penn State Great Valley.

Kris M. Emigh, staff assistant IV in  
College of Engineering.

Susan D. Frey, patient account  
assistant at Hershey Medical Center.  
Jean A. Furmanek, director, Enroll-  
ment Management, at Penn State  
Altoona.

Lesley J. Gaydos, research support  
assistant at Hershey Medical Center.  
John J. Givler, senior buyer in  
Applied Research Lab.

Michael J. Holland, assistant direc-  
tor for Research Affairs at Hershey  
Medical Center.

Robert S. Jankouskas, coordinator,  
Network Support, at Hershey Medi-  
cal Center.

Anne M. Jones, program assistant  
in College of Education.

Dawn M. Nelson, staff assistant IV  
in College of Agricultural Sciences.  
Stacy A. Novosel, staff assistant VI  
in College of Agricultural Sciences.

Robert L. Oberheim, manager, Ag  
Progress Days and Horticulture  
Farm in College of Agricultural Sci-  
ences.

Dianne M. Petrunak, research sup-

port technician III in College of  
Agricultural Sciences.

William L. Reed research support  
assistant in Research and Graduate  
School.

Tina M. Rivera, assistant extension  
agent in College of Agricultural Sci-  
ences.

Donna M. Roncoroni, staff assistant  
VI at Hershey Medical Center.

Kenneth H. Roth, manager of pur-  
chasing in Applied Research Lab.  
Francis G. Sinclair, manager, mail  
and addressing services in Business  
Services.

Carolyn C. Stebbins, research sup-  
port technologist III in College of  
Engineering.

Janice M. Stuck, administrative  
assistant I at Hershey Medical Cen-  
ter.

Timothy C. Summers, information  
systems assistant II in Computer  
and Information Systems - Office of  
Administrative Services.

Karen L. Wagner, customer service  
coordinator in Business Services.

Judith M. Weber, staff assistant V at  
Altoona Campus.

Mary R. Wile, research coordinator  
in Division of Development and  
University Relations.

Jeffrey C. Young, associate research  
engineer in Applied Research Lab.

Joyce E. Zeager, coordinator, resi-  
dency program at Hershey Medical  
Center.

### Technical Service

Patrick J. Ebeling, maintenance  
mechanic A in Housing and Food  
Services.

Cindy L. Hoffman, group leader,  
food production worker at Nittany  
Lion Inn.

Ronald Popp, carpenter A at Her-  
shey Medical Center.



# Five research grants awarded

Penn State Continuing and Distance Education (C&DE) has awarded five research award grants for 1994.

The C&DE Research Awards are competitive research grants open to all University faculty and staff. Grants range from \$1,500 to \$5,000. A University-wide committee evaluates the proposals on criteria including relevance to Penn State's continuing education research priorities, overall proposal quality, and research design.

Research grant recipients for 1994 are:

- Jovita Ross-Gordon, associate professor of education, for her project on "Reentry Minority Students: What Can Penn State's Colleges and Continuing and Distance Education Units Do to Improve Recruitment and Retention of Target Population?" She will investigate the unique concerns and needs of minority adult students as they pursue higher education.
- Peter S. Cookson, associate professor of education, for his research into "Continuing Education Program Administration: A Study of Competent Performance Indicators." The study will try to identify the quality indicators associated with continuing education administration, and to formulate observable performance-based measures that can be used to determine the extent to which continuing education administrators carry out such competencies.
- Martin W. Thretheway, associate professor of mechanical engineering, for his inquiry into "Evaluation of Laboratory Experience Delivery Methods

in the Distance Learning Environment." His project will research feasible methods for offering laboratory-experience courses via distance education, using innovative teaching techniques and equipment.

● Christopher J. Bise, professor and chairman of mining engineering, for "Evaluating the Impact of Emerging Technology on the Outreach Mission of Penn State's Mining Engineering Program." The study hopes to determine the parameters affecting decreased enrollment in Penn State's mining engineering graduate program and continuing education short courses, and to determine if emerging technology in distance education can be effectively used to reverse these trends.

● Gary W. Moorman, associate professor of plant pathology, for "Assessment of Demand for a Plant Pathology Course on Disease of Ornamental Plants." His research will determine interest in plant pathology courses among commercial nurserymen, landscapers, interior planters, greenhouse operators, Christmas tree growers, and others in the state, and evaluate whether the audience would participate in an in-depth course if it were offered via distance education.

Participation in the C&DE Research Awards process is open to all faculty and staff. For more information on deadlines, requirements, and eligibility for funding, contact Donna S. Queeney, director of Research and External Relations, 210 Keller Building, University Park, PA (814-863-7752).

## Federal training grant to help people with communications disorders

The Department of Communication Disorders has been awarded a federal training grant to help meet a need for personnel in augmentative and alternative communication, or AAC.

AAC professionals help people who can't rely on natural speech to use other means of communication, such as computers, sign language, or word boards. Such personnel are in short supply, especially in rural areas.

The training grant, from the U.S. Department of Education, will fund five master's students each for one to five years. Participants will be selected from interested applicants and current graduate students whose career goals are consistent with the goals of the project.

Graduates of the program will work as speech-language pathologists in rural areas of Pennsylvania and other mid-Atlantic states; they will work with infants, children, and youth who have severe disabilities. The program will provide a mix of classroom instruction in augmentative communication, clinical experience, and a 15-week externship in school-based programs.

Janice C. Light, associate professor of communication disorders in the College of Health and Human Development, is project director for the \$549,000 grant.

# CQI restructures to reflect progress in the process

Penn State is moving toward the "core process improvement" phase in using Continuous Quality Improvement (CQI) tools and concepts — a stage that emphasizes making positive changes in the ways the University does business.

Reflecting that progress is a new structure. Instead of the Executive Committee of the University Council on CQI, the University's CQI effort now has a Planning Team that is sponsored by President Thomas and led by Nancy Cline, chair of the Council of Academic Deans.

The members of the new planning team are William Asbury, John Brighton, Barton Browning, Carol Everett, Gregory L. Geoffroy, James Ryan, Louise Sandmeyer, Gary Schultz, and James Wagner. Many of these have a leadership role in the University and all have demonstrated a commitment to CQI.

"In addition to the Planning Team, the new structure includes the existing CQI Center, an expanded Quality Council, and a network approach to working with all processes," Dr. Cline said. "We have a full agenda for the coming year and will be counting on the continued involvement of units across the University to realize our full potential in quality improvement."

To get to the core process improvement phase of leading change, the University first had to get through the "status quo" phase (the stage before quality improvement initiatives are begun) and then progress through the "awareness" phase (the stage during which CQI initiatives begin to value the changes that CQI initiatives can bring).

Given the size and complexity of Penn State, Dr. Cline said, "different segments of the University will be facing widely different conditions and will be progressing at different rates. It will be important for us to keep in mind that 'quality improvement' is not something we do for a defined time and then set aside. Instead, this represents a long-term change in the culture of the entire institution and an opportunity to redefine our University."

Ms. Sandmeyer, a planning team member and executive director of the CQI Center, says the Planning Team has been working with Ted Brown of DuPont

"to review the structure of Penn State's quality journey. We found that the way we were structured was appropriate to the first phases of CQI, but was not broad enough to take advantage of our changing climate into subsequent phases."

The Planning Team, which will meet every other week, is responsible for developing and implementing strategic plans for CQI; providing guidance to the CQI Center; acting as a link to the president's Central Management Group; sponsoring Task Teams to focus on issues such as assessment of customer satisfaction and benchmarking; monitoring implementation; team recommendations; and identifying core processes,

*"The new structure will help us focus more broadly on institutional issues that cross discipline boundaries."*

Louise Sandmeyer  
executive director, CQI Center

among other duties. Membership will rotate periodically, depending on CQI leadership and commitment.

The team will work closely with the full CQI Council. In addition to the team members named above, the council members are Gary Augustson, John Cahir, Robert Dungan, J.D. Hammond, Gregory Lozier, Robert Pangborn, John Romano, David Shirley, Dr. Thomas, Peter Weiler, Susan Welch, Billie Willis, David Wormley, and three administrative fellows, as well as a graduate and an undergraduate student.

The council's primary duties include communicating and exchanging information on quality improvement and being a focus group for the Planning Team. The Council will meet three times a semester and members will be designated as chairs of Council Task Teams that will do the work of the council.

"We have also added a Core Process Network," Ms. Sandmeyer said. "This will be sponsored by a member of the Planning Team and led by the past chair of the Council of Academic Deans. The members will be determined by the Planning Team after core processes have been identified."

The network group will look at relationships among core processes — often defined as those that support the University's mission and vision — and how they affect each other and other institutional processes, policies and practices. The group will also be responsible for identifying "disconnects" in core processes — critical breakdowns that can reduce effectiveness in achieving a unit's mission — within the University system.

In addition, Academic and Academic-Support CQI Networks will form according to need and interest to address particular processes within units. The CQI Center will continue to help units identify critical processes, assign and support facilitators, monitor teams, share activities, and document improvement results across the University and monitor, assist and develop corporate partnerships.

"The new structure will help us focus more broadly on institutional issues that cross discipline boundaries, such as collaborative learning, faculty recruitment and development and enrollment management. It will also help us lead individual units that may still be in an early phase to move ahead to a more open management style," Ms. Sandmeyer said.

"Creating a culture that supports change is a slow process, and not everyone is going to be at the same stage at the same time. Sometimes we may even slide backwards for awhile, but the new structure is a map that will help us define where we want to be as we move closer to achieving our vision."

Dean Cline says that while many often think of CQI as resulting in shortened lines, improved turn-around time, and reduced paperwork, it is also enhancing the teaching and learning process, bringing changes in the classroom, fostering new collaborative relationships, and encouraging the contributions of faculty, staff, and students.

## Cultural adaptation not always the key

Study Looks at How Foreign Managers Overcome Barriers in American Settings

Adapting to American behaviors may not win a foreign manager points with his or her U.S. subordinates unless it is deemed a genuine reflection of the manager's personality, according to researchers from Penn State and the University of South Carolina.

"We have long recognized the need that U.S. managers in overseas settings have to bridge cultural distance to improve relationships with their employees," David C. Thomas, assistant professor of management at Penn State Erie, The Behrend College, said.

"However, our study considered the other side of the coin, where foreign managers in the U.S. must either choose how best to overcome the cultural barriers implicit in American business settings.

"This is an important consideration because the recent dramatic increase in foreign direct investment in the U.S. has fueled a similar expansion in the number of foreign managers working here."

Dr. Thomas studied the issue with Elizabeth C. Ravlin, associate professor of organizational behavior and management at the University of South Carolina.

In the study, a total of 223 American subjects viewed one of the videotapes of a Japanese manager interacting with two U.S. subordinates. In one version, the manager displayed behavior typical of his culture and in the other, behavior adaptive of U.S. culture. Both videos were presented in English with the same actors and were based on occurrences in typical international business relationships.

The subjects who watched the video-

tapes were employees of U.S. subsidiaries of two large Japanese multinational corporations. All had some business experience interacting with Japanese managers. Three out of four subjects were White-American and the rest were African/Black American; 71 percent were male.

Among other measurements, the researchers asked subjects to note their perceived similarity to the manager, how effective they felt he was, and to what degree they would trust and associate with him. They

**"American-like behavior that was attributed to causes internal to the foreign manager, that is to say, as part of the manager's personality, induced higher trust and perceived effectiveness, than did behavior attributed to other causes."**

David C. Thomas  
assistant professor

also rated how important nationality was to their own self-identity.

"The results reinforce the notion that

simply teaching members of different cultures to behave like each other won't necessarily improve their workplace relations," Dr. Ravlin said.

Cultural adaptation resulted in higher perception of managerial effectiveness than did no adaptation.

However, "what was really interesting was not the effect of how adaptive the manager was, but to what motives the subjects attributed the adaptation," Dr. Thomas said. "American-like behavior that was attributed to causes internal to the foreign manager, that is to say, as part of the manager's personality, induced higher trust and perceived effectiveness than did behavior attributed to other causes."

Drs. Thomas and Ravlin suggest that causal attributions for the foreign manager's behavior were influenced by how subordinates expected a manager from a different culture to behave.

Subjects, to whom nationality — being American — was important, indicated lower perceptions of similarity with the manager, lower intentions to associate with him and lower perceptions of his effectiveness. This effect was noted regardless of which version of the video these subjects was.

"Overall, it seems that employees with more realistic, though not necessarily more positive, expectations of foreign managerial behavior, might be expected to have better relationships with such managers," Dr. Thomas said.

— Gary W. Cramer

## Research

### Roundup

To get promoted, you may need to be a chameleon

Although it may bring them peace of mind, managers who insist on remaining true to themselves are letting their chameleon-like counterparts get ahead in the promotions game," University researchers say.

"Although managers who can easily adjust to new roles tend to emerge as leaders of work groups, little attention has been paid to the long-term effects of this tendency on their careers," Martin Kiduff, assistant professor of organizational behavior, said.

With David Day, assistant professor of psychology, Dr. Kiduff tracked and analyzed the career experiences of a cohort of 139 graduates of a prestigious Ivy League MBA program over five years.

Measurements of the subjects' level of self-monitoring — the aspect of the personality that allows one to flexibly adapt to different role demands and social situations — were taken while they were still MBA students. Over the course of the study, the 77 subjects who were low self-monitors — those less responsive to social expectations and more inclined to insist on doing things their own way — tended to stay with the first employers they chose and remain in one location.

"The high self-monitoring chameleons averaged approximately twice as many cross-company promotions," Dr. Kiduff noted.

In addition, those chameleons who stayed with their first employers throughout the five years of the study were more likely to gain in-company promotions.

### Itsy bitsy boiler might do the trick

As computers become faster and faster, designers are faced with finding ways to get rid of the heat that builds up in the tiny spaces between circuit boards and device chips.

"We participated with DEC in the design of a tiny, alcohol-wetted enclosed boiler to cool high-heat areas inside the computer," Randall M. German, Brush Chair Professor in Materials in the College of Engineering, said.

An alloy to construct the mini-boilers containing the needed thermal properties was made by mixing extremely small particle powders of tungsten and copper and then mixed with small amounts of activators. This mixture can be injected into a mold to form a green mini-boiler and then sintered for the final product.

The boilers remove heat from the circuitry through a cycle of boiling and condensing. Liquid alcohol in the boiler is heated by the waste heat generated at the circuit board level. The alcohol boils and is converted into alcohol vapor which rises in the tiny column.

The conversion from liquid to vapor cools the board in the same way that evaporation of sweat cools the skin in summer. At the top of the column, heat is removed from the alcohol vapor and the vapor condenses back to a liquid. The cooled liquid alcohol can then absorb more heat from the circuitry and again vaporize.



David C. Thomas in his office at Penn State Erie, The Behrend College.

Photo: Courtesy of Penn State Erie



## Appointments

### Associate dean appointed

Jeremy Cohen has been appointed associate dean of undergraduate education in the School of Communications.

Effective Aug. 1, Dr. Cohen will oversee the undergraduate curricula, programs, procedures, and support services; coordinate student organizations and activities, and advise faculty on promotion and tenure-related issues. He replaces Daniel W. Pfaff, who will be on sabbatical leave next year, and then will return to full-time teaching in the Journalism Program.

Since 1984, Dr. Cohen has been on the faculty in the Department of Communication/Institute for Communication Research at Stanford University. In 1990, he was promoted to associate professor. He was the coordinator of the Stanford Public Service Scholars Program and chair of various academic committees. He served as a faculty member for the Stanford Summer Institute on Service Education and a Stanford Resident Fellow at the Lantana House (1992-94), Stanford's first Public Service residence.

Recently, he established and taught a seminar required of all Stanford Institute for Communication Research doctoral students, "Communication Curriculum Development and Pedagogy."

Dr. Cohen's research focuses on the functions of freedom of expression in the American constitutional democracy, especially within the contexts of public participation, opinion, and education. He is the author of three books:

*Student Guide to Media Law* (W.C. Brown & Benchmark, 1993), *Social Research in Communication & Law* (Timothy L. Gleason, 1990) and *Congress Shall Make No Law: Oliver Wendell Holmes, The First Amendment, & Judicial Decision Making* (Iowa State University Press, 1989).

He received a B.A. in English from San Francisco State University, an M.A. in journalism from the University of Southern California, and a Ph.D. in communications from the University of Washington School of Communications.

### Department head named

Roger M. Downs, professor of geography, has succeeded Rodney Erickson as head of the Department of Geography.

Dr. Erickson, who has returned to teaching and research in geography in the College of Earth and Mineral Sciences, continues as associate director of the Division of Research in The Smell College and director of its Center for Regional Business Analysis.

Dr. Downs came to the University in 1970 from Johns Hopkins University, where he was a lecturer and assistant professor in the Department of Geography

and Environmental Engineering. While at Penn State, he has built a substantial reputation for his research into the widely varied individual perception and understanding of space and maps. He has applied his research findings to improving the geographic education of children and young people, through work with professional and government agencies, and extensively as an advisor to Sesame Street, Highlights, the National Geographic Society, the Educational Testing Service, and many other groups.

He is co-author of *Maps in Minds*, published by Harper & Row (1977) and chapter author and editor of numerous texts, most recently, *Visions of Aesthetics, the Environment and Development: The Legacy of Joachim F. Wobball*.

Dr. Downs currently serves as a member of the Commission of College Geography, the Writing Committee of the National Geographic Education Standards Project, and the National Council for Geographic Education Task Force on Research in Geographic Education. He also serves as associate editor of *Environments and Behavior*, and as a member of a number of editorial boards, including the *Annals of the Association of American Geographers*, *Children's Environments Quarterly*, and *The Professional Geographer*.

In 1975, he received the Wilson Award for Outstanding Teaching of the College of Earth and Mineral Sciences. Other honors include the O'Connor Chair of American Institutions at Colgate University and the Colledge Lectureship at the University of California, Santa Barbara.

He received his B.A. and Ph.D. degrees from the University of Bristol, U.K., both in geography. He has served in State College as a member of the Community Appearance and Review Board and the Borough Planning Commission, which he chaired from 1982 to 1988.

### Biology professor to head institute

Nina V. Fedoroff, member of the Department of Embryology of the Carnegie Institution of Washington, professor of biology at Johns Hopkins University, member of the National Academy of Sciences, and a visiting professor at Penn State, has been appointed as professor of biology, Verne M. Willaman professor of life sciences, and director of the Biotechnology Institute.

Dr. Fedoroff is the first Verne M. Willaman Professor of life sciences. The chair was endowed in 1990 by Verne M. Willaman, a member of the executive committee of the Eberly College of Science Alumni Society, a former chairman of Ortho Pharmaceutical Corporation, and a director of Johnson & Johnson.



Roger M. Downs



Jeremy Cohen

"The addition of Dr. Fedoroff to our faculty strengthens our leadership in the biological sciences, which are undergoing tremendous growth at Penn State and worldwide," Gregory L. Geoffroy, dean of the Eberly College of Science, said. "Her leadership also will have a positive impact on recruiting and educating our students, since first-rate faculty attract and inspire superior students."

Dr. Fedoroff is perhaps best known for her research on the molecular biology of mobile, or transposable, gene segments in plants and on the developmental regulation of gene expression. "The ultimate goal of my research is to identify and understand the function of genes that are important in plant development," she said.

Dr. Fedoroff is going to establish a major transposon-tagging laboratory at Penn State and plans to use it for finding, cloning, and characterizing natural regulatory genes in Arabidopsis, a plant frequently used in biological research, as well as in other plants, including maize," Linda Maxson, head of the Department of Biology, said.

Dr. Fedoroff earned her bachelor's degree in biology and chemistry at Syracuse University in 1966 and her doctoral degree in molecular biology at The Rockefeller University in 1972. She was an acting assistant professor at the University of California at Los Angeles from 1972 to 1974. She joined the Carnegie Institution's Department of Embryology as a postdoctoral fellow in 1975 and became a permanent staff member in 1978. She is the author or coauthor of 80 research papers and coeditor of a book titled *The Dynamic Genome: Barbara McClintock's Ideas in the Century of Genetics*.

She has served on the Council of the National Academy of Sciences and the board of directors of the International Science Foundation. She presently is a trustee of the Biological Sciences Information Service (BIOSIS) and a member of the editorial board of *The Plant Journal*.

She was honored in 1990 with the Howard Taylor Ricketts Award and was cited in 1992 as an Outstanding Contemporary Woman Scientist by the New York Academy of Sciences. She presently is the holder of a National Institutes of Health MERIT Award.

Dr. Fedoroff is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the Phi Beta Kappa and Sigma Xi honor societies. She also is a member of the Genetics Society of America, the American Society for Biochemistry and Molecular Biology, the International Society for Plant Molecular Biology, and the American Association for the Advancement of Science.



Nina V. Fedoroff

## Penn Staters

Gordon F. De Jong, distinguished professor of sociology and director, Graduate Program in Demography, was a faculty member of the Netherlands Graduate School in Demography International Summer School at the Institute for Advanced Study, Wassenaar, The Netherlands. He also presented a invited paper on "Choice Processes in Migration Behavior." The program was organized by the Netherlands Science Foundation.

M. T. Ityokumbul, assistant professor

of mineral processing, presented a paper, "Design and Scale-up Issues in Column Flotation," at the International Conference on Innovations in Mineral Processing organized by Laurentian University, Sudbury, Ontario, and sponsored by the Canadian Mineral Processors Division of CIM. The paper won a prize as one of the best three papers presented at the conference.

Iam-Choon Khoo, professor of electrical engineering, presented invited

papers on nonlinear optical properties and applications of liquid crystalline optical fibers at two international conferences: the 4th Iketai Meeting on Optically Nonlinear Organics and Polymers in Hawaii, and the Forum on New Materials in Florence, Italy.

Michael G. Moore, academic director of the American Center for Study of Distance Education, was program chair of the First International Conference on Distance Education in Russia at the Russian Academy of Sciences in

Moscow. He gave the keynote address, "Trends and Needs in Distance Education Research."

J. Keith Ord, David McKinley Professor of business administration and professor of statistics, has been named a Fellow of the American Statistical Association (ASA). The designation of Fellow signifies outstanding professional contribution and leadership in the field of statistical science.

## Private Giving

### Ohio couple endow scholarship for undergraduate engineering major

John and Betty Palmer of Gates Mills, Ohio, have given \$50,000 to endow an undergraduate scholarship in the College of Engineering. The John and Betty Palmer Scholarship in Engineering will provide recognition and financial assistance to outstanding students.

"Our family owes a lot to Penn State," John Palmer said. "My wife, my sister and I all have Penn State degrees. We chose to endow a scholarship because we want to help the University continue to offer an outstanding engineering education."

Betty Palmer has a B.S. in education and John L. Palmer has a B.S. in mechanical engineering. He also holds a M.S. in automotive engineering from Chrysler Institute of Engineering.

"We are honored to have the Palmers' names linked with Penn State's undergraduate engineering program in this way," said David N. Wormley, engineering dean. "Betty is a trained educator and John is a successful engineering researcher and manager, so they know the importance of ensuring that future generations have the opportunity to receive a good education."

John Palmer retired from Lubrizol Corp. in 1983 as vice president, technology and product planning, after a 44-year career in lubrication/tribology research and development as an engineer, manager and the author of several technical publications.

Beginning his career as a student engineer for the Chrysler Corp. Engineering Division in 1939, he participated in the testing and development of Army tanks and trucks and their subsequent desert testing during World War II.

Mr. Palmer joined Lubrizol in 1947 as a project engineer responsible for the additive testing and evaluation program and later supervised tests on lubricants and fuels in laboratory and road test equipment. He served in a variety of executive management positions and on the board of directors at Lubrizol. Notable accomplishments include his oversight of all Lubrizol test facilities, including the world's largest testing facility for evaluating lubricant additives in Wickliffe, Ohio, and the Lubrizol International Laboratory in England during a period of major expansion. He also directed the development and building of the Lubrizol Japan Technical Center.

At Penn State, Mr. Palmer is an Outstanding Engineering Alumni and member of the Freshman's Club. He is a life member of the Society of Automotive Engineers and of the Cleveland Engineering Society, where he was on the board of governors. He has served as a director of Bank One of Northeast Ohio and a trustee of Andrews School.

### Penn State students raising \$1.7 million annually Student community service has big payoff

Mai Than had no idea what community service was when she walked into the Student Activities Office at University Park, but she knew she wanted to get involved. Howard Pope was "just a fraternity guy trying to make the House look better."

But they both got hooked on community service, like thousands of other University students. Together, every year, Penn State student volunteers bring an estimated \$875,000-plus in service and cash donations to the Centre County area alone.

Add the Interfraternity Council/Panhellenic Dance Marathon (the largest student-run fundraiser in the nation), which raises funds for children with cancer at Penn State's Hershey Medical Center, and the figure skyrockets up to more than \$1.7 million.

"That's quite a value," Judi Curley, coordinator of volunteer programs and opportunities, said. "These people are really performing a service for the community."

In 1993-94, students at the University Park Campus contributed almost 189,000 hours of uncompensated volunteer service to State College and surrounding Centre County communities. Those hours of unpaid service would be worth \$801,847.50, if the students had been paid the minimum wage for their efforts.

Ms. Curley pointed out that the 189,000 hours reflects only the community service hours reported through Penn State's student activities. Other students are also performing community service but not reporting their efforts. Also, in 1991-92, fraternities and sororities raised more than \$39,000 specifically for Centre County charities, and in 1993-94, non-Greek student groups gave more than \$38,700 to county charities. On top of that, the Dance Marathon raised more than \$1 million in 1993-94 for the Four Diamonds Fund at the Medical Center.

In 1993-94, more students volunteered and spent more time in volunteer activities than in 1992-93. According to the Office of Student Activities, 9,704 students contributed 188,670 hours in community service in 1993-94. That breaks down to 2,395 students working 98,983 hours in ongoing projects and 7,309 students working 89,687 hours in one-time projects in 1993-94.

In 1992-93, Ms. Curley said, 2,266 students volunteered 90,243 hours in ongoing projects and 3,960 volunteered 69,022 hours in one-time projects, for a total of 6,226 students and 159,265 hours.

Many University Park students become involved in volunteering through the Lions Share, a clearinghouse in the Office of Student Activities that helps match student interests with community needs.

Through the program, thousands of students have vol-

unteered at more than 100 community organizations, working with children, the elderly, the physically challenged. They have taken part in food drives, fund drives, parades, arts and crafts, and sports.

Ms. Than and Mr. Pope, two of the students who got hooked on community service, will continue their service next year. Ms. Than will be co-director of "Into the Streets," a program that involves students in community

*In 1993-94, University Park students contributed almost 189,000 hours of uncompensated volunteer service to State College and surrounding Centre County communities.*

service through group projects; Mr. Pope will continue to be in charge of developing a Commonwealth Educational System Network, a service-learning support system that fosters communication and collaboration among all Penn State campuses.

"In the beginning," Ms. Than said, "I had no idea what service was. It was a new concept to me." But through volunteering, taking a course on community service, and working in the Lions Share office, she learned about the importance of volunteering and about people who had committed their lives to service. "I had no idea that such a world existed."

Similarly, Mr. Pope got more involved over the years, and has probably participated in every available volunteerism opportunity at Penn State.

He was this year's adviser of the "Alternative Spring Break" program, which he said, "immerses students in a community they're not familiar with." The immersion experience allows students to address and better understand issues such as poverty, inadequate housing, racism, illiteracy, and teen pregnancy.

He said he has gained invaluable experience from seeing how difficult issues really affect people, developing program budgets, and acting as an adviser to would-be volunteers. Sometimes, he said, you feel like a parent, "driving students around in a 15-passenger van, and asking if all of them have their seat belts on."

### 1932 graduate remembers wife with scholarship

Reed B. Riker of Allentown, a 1932 chemical engineering graduate of Penn State, has established scholarship endowments in memory of his wife, Mabel White Riker, at the Penn State Worthington Scranton and Allentown campuses. He created each scholarship with a \$100,000 charitable gift annuity.

The scholarships will support full-time undergraduate students enrolled as education majors who plan to pursue a mathematics teaching option. Preference for the Worthington Scranton Campus scholarship will be given to graduates of Riverside High School. Preference for the Allentown Campus scholarship will go to graduates of the Allentown School District.

Reed Riker retired in 1975 as senior vice president of Finance America (since known as the General Acceptance Corporation).

Mabel Riker, who died last July at the age of 81, was a 1931 graduate of Penn State with a bachelor's degree in mathematics education. Her teaching career of 35 years was equally divided between the Riverside (formerly Taylor) High School, Taylor, and the Raub Junior High School, Allentown.

While a student at Penn State, she was a member of Kappa Delta Pi, an honorary education society. During her teaching career, she became active in the Delta Kappa Gamma International Society of Women Educators, serving as president of the Beta Chapter for two years.

The Rikers previously established the Reed B. and Mabel W. Riker Academic Excellence Scholarship in 1989 and the Reed and Mabel Riker Golf Scholarship in 1992. Reed Riker also established a scholarship in the College of Education in 1993.



## Awards

### Assistant professor earns research fellowship

Patricia Bianconi, assistant professor of chemistry in the Eberly College of Science, has received a 1994 Sloan Research Fellowship from the Alfred P. Sloan Foundation. The highly competitive award carries a \$30,000 grant over a two-year period.

The Sloan Research Fellowship Program, one of the oldest fellowship programs in the nation, supports research efforts of scientists in the early stages of their academic careers. According to the foundation, fellows are selected on the basis of



Patricia Bianconi

their "exceptional promise to contribute to the advancement of knowledge."

Dr. Bianconi, a specialist in inorganic chemistry, studies the synthesis of materials whose microstructure mimics those of natural materials such as bone and diamonds. Her research could lead to the development of improved magnetic materials, super-hard materials, semiconductors, fiber-optic materials, and improved biomaterials.

She received the Camille and Henry Dreyfus Teacher/Scholar Award and the Beckman Young Investigator Award in 1992 and the Columbia University Excellence in Teaching Award in 1982.

Prior to joining the University faculty in 1988, Dr. Bianconi was a postdoctoral fellow in the Department of Organic Chemistry Research and Development at the AT&T Bell Laboratories. She earned a bachelor's degree in chemistry at Yale University in 1979, a master's degree at Columbia University in 1981, and doctoral degree at the Massachusetts Institute of Technology in 1986. She was a research assistant at Columbia University and the Massachusetts Institute of Technology from 1980 to 1986.

### Worthington Scranton employees receive awards

Three faculty and staff members at the Penn State Worthington Scranton Campus have been honored with awards.

Todd Adams, assistant professor of philosophy, has received the Campus Advisory Board Award for Excellence in Teaching. Funded in 1988 by the board, the award recognizes a faculty member who has demonstrated innovative and dedicated teaching techniques in his/her academic endeavors.

Violet Vaida Byron, staff assistant to the director of student affairs, has received the Gertrude Hawk Choclates, Inc. Award. Instituted in 1979 by then company president Elmer Hawk, the \$750 award recognizes a member of the campus faculty or staff who exhibits outstanding performance and service in academic endeavors, cocurricular activities, and service to the community.

Marilyn Daniels, assistant professor of speech communication, is the recipient of the Pharmakon Laboratories Award for Excellence in Scholarship. The \$500 award was established in 1986 by Richard and Sally Matthews to recognize outstanding performance in scholarship and research.

Prior to joining the Worthington Scranton faculty in 1989, Dr. Adams taught at the University of Kentucky, Transylvania University, Lexington, Ky., and Georgetown College, Georgetown, Ky. In addition to his teaching responsibilities, he is a member of the campus Honors Committee, Student Affairs Committee, and the Education Abroad Program. He is former vice chair of the Faculty

Senate and former chair of the Enhancement Fund Committee.

Ms. Byron, a 1983 Worthington Scranton graduate with an associate degree in business administration, was named the Penn State WSC Alumna of the Year in 1983 by the campus Alumni Society. She has served as volunteer for key campus programs, including career days, college fairs, and other recruitment and fundraising activities. She also maintains an advisory role in the campus veteran's program and has helped coordinate veterans' activities.

Dr. Daniels is the author of many journal articles on education, Benedictine monastic culture, and nonverbal language. Her book, *The Dance in Christianity: A History of Religious Dance through the Ages*, is used as a text at Yale, Princeton, Notre Dame, and Drew universities. Active at the state, regional, and national levels of the Speech Communication Association, she was awarded the association's 1993 Donald H. Ercord Emerging Scholar Award for her research on sign language and language acquisition skills in hearing children.



Violet Vaida Byron



Todd Adams



Marilyn Daniels

### Two University Park buildings win state award for excellence

The Masonry Contractors Association of Central Pennsylvania has presented three awards for Excellence in Masonry to the University for two building projects on the University Park Campus.

The Mather Building received the association's Grand Award for Excellence in Masonry. It also received an Excel-

lence in Masonry Award in the Institutional—Higher Learning category.

A Judge's Special Award for Excellence in Masonry was awarded for the addition to Nittany Lion Inn.

### Assistant vp honored for meritorious service

Norman H. Bedell, assistant vice president for the Office of Physical Plant, has been awarded the Meritorious Service Award from the APPA, an international education association which promotes excellence in administration, care, operation, planning and development of higher education facilities.

Mr. Bedell was recognized for his "outstanding contributions" to APPA and Penn State. In the past, he has served on the APPA board of directors, the Professional Affairs and Information Services committees, was named vice president for professional affairs, and has been a faculty member for the Institute for Facilities Management. He has also served the Eastern Region as president, vice president, and secretary.

The Meritorious Service Award, established in 1958, is the highest honor granted by APPA and is presented to no more than three members each year.

### OPP noted for spirit and loyalty

Seventy-seven Office of Physical Plant (OPP) employees were nominated for the 1994 Spirit of Physical Plant Award. Three finalists and this year, for the first time, two honorable mentions in each category, were selected.

Dick Harris, utilities systems engineer, was the finalist in the staff category; honorable mentions were Rob Cooper and Candy Wert. Bob Fry, area landscape worker, was finalist in the Technical-Service category; Clarence Dobson and Jeff Swarth were the honorable mentions. Burna Gummo, janitorial worker, was the finalist in the janitorial category; Nancy Davies and Esther Mellott were the honorable mentions.

As part of the award, the finalists receive a \$125 stipend, a certificate, their names added to the plaque in the lobby of Physical Plant and a luncheon at the Nittany Lion Inn. The honorable mentions received \$50 stipend and a certificate.

Nominations for the award are solicited from all areas of the University in order to recognize OPP employees who best exemplify loyalty, professionalism, integrity, dedication and respect for the Office of Physical Plant and the customer served. Members of the Rewarding Productivity in Operations Committee that coordinated the award are Jerry Boyles, Steve Besecker, Ron Carlson, Ken Johnston, Keith Jury, Dave Martin, Mack Messner, Amy Olenick, Sue Petro, Mike Reese, and Candy Wert.

## Awards

# Thirteen honored for exemplary performance

Thirteen faculty and staff members have been honored by Penn State Continuing and Distance Education.

The annual awards highlight exemplary performance. Nominees are selected by their peers and coworkers, with final choices for awardees made by a divisionwide committee. Recipients are:

- **James Weeks**, research project associate and editor in the Office of Program Planning, Service to the Profession Award, which "recognizes an individual who has contributed to the professionalism of continuing education" through research, scholarly publication, and participation in a professional organization. He has served with distinction in the National University Continuing Education Association (NUCEA) for more than seven years, creating and editing newsletters for NUCEA's Division of Humanities, Arts, and Sciences, and for its Division of Continuing Education for the Professions.
- **Brenna Swires**, staff assistant in Conferences and Institutes, Marybeth Reese Distinguished Service Award, which recognizes outstanding service to community and civic organizations for both town and gown. Ms. Swires holds or has served in more than 14 positions with such groups as the Cub Scouts, Boy Scouts, and the Penns Valley Youth Soccer program.
- **Elaine Battle**, an attorney and faculty member for Penn State Delaware County Campus's Paralegal Program, Award for Academic Excellence, which recognizes "a faculty member who has demonstrated outstanding instructional support for C&DE." In a student evaluation, Ms. Battle was given an overall rating of 6.9 on a scale of 1 to 7.
- **John J. Coyle**, professor of business logistics, Award for Academic Excellence. Dr. Coyle has more than 15 years of direct involvement in continuing education, and his innovation and cutting-edge approach to distance education have been exemplary.
- **Pennie A. Maclean**, assistant director of Budget and Finance for C&DE, Emerging Continuing and Distance Education Professional Award, which "recognizes a member with C&DE whose performance and potential are exemplary." Coming to C&DE as a part-time staffer in 1992, Ms. Maclean has impressed coworkers with her willingness and ability to serve wherever needed.
- **Sara C. Parks**, associate professor and associate dean of the College of Health and Human Development, Award for Administrative Excellence, which is conferred upon the "individual who is not a member of C&DE or the Commonwealth Educational System field staff, and who demonstrates outstanding administrative support of the continuing education function." Dr. Parks has actively supported Penn State's continuing education activities in several forms since the early 1970s, championing new technologies, new learning techniques, and nontraditional methods.
- **Mary Ann Lyman-Hager**, assistant professor of French,

Award for Creativity and Innovation, which honors "Creativity, originality, innovation, and/or entrepreneurship as a regular, consistent characteristic in the performance of the awardee's duties." Dr. Lyman-Hager is especially recognized for her leadership of the planning committee of Penn State's recent International Distance Education Conference.

- **Amy L. Kelley**, assistant broadcast programming specialist at WFSX-TV/Educational Communications, Award for Staff or Program Support, which is presented to the individual who "exemplifies professional support in the development, meeting, promotion, and delivery of C&DE programs and services." Since coming to the department as a secretary in 1981, Ms. Kelley has performed a number of positions in a manner which consistently impresses coworkers and associates.
- **Brian A. King**, director of Penn State's Monroeville Center, Award for Outstanding Marketing, Outreach, and/or Customer Service, which "signifies the importance of marketing and outreach in extending the resources of Penn State beyond the borders of the University." Dr. King's emphasis on marketing and customer service has made the Monroeville Center a thriving enterprise for Penn State and for students in the greater Pittsburgh area.
- **Gary Abdullah**, account specialist with the Office of Marketing Communications, the first Diversity Award, which "recognizes an individual whose actions have been instrumental in promoting C&DE's pursuit of a diverse work and learning environment." Criteria for the award include "commitment to the spirit of equal opportunity, and a record of meeting the special needs of members of traditionally underrepresented groups."
- **Ellen P. Barbrow**, assistant professor of dietetics, Award for Adult Student Support, which "recognizes the individual who provides exemplary support services for adult students and has demonstrated a strong commitment to excellence." With more than 20 years of experience in working with adult students, she also has been consistently on the forefront of implementing program changes in response to adult students' needs.
- **Carol J. Nadzom**, staff assistant in the Office of Program Planning, Award for Staff Assistant Support, which "recognizes the staff assistant who consistently provides exemplary administrative support," and who "demonstrates a positive attitude and a strong commitment to working with continuing and distance education staff members, clients and colleagues..." Ms. Nadzom is consistently cited for her mentoring of other staff assistants.
- **Helen F. Brady**, staff assistant to the Southeast Regional Director for Continuing Education at the Penn State Ogontz Campus, Award for Staff Assistant Support. Since her arrival at that office in October, 1992, she has handled increasing workload and responsibilities within an expanding office with professionalism.

## Job service earns two Reiber Award

Dave Gingham, manager of the HUB Eateries, and Laurie Wortham, assistant manager of the Assignment Office for Campus Residences, have received the Department of Housing and Food Services' William H. Reiber Award.

The award is based on exceptional customer service, fiscal responsibility, ingenuity in programs and operations, and overall contributions to the organization.

Mr. Gingham joined University Park's Housing and Food Services in 1976 as a snack bar worker. In 1978 he was promoted to assignment office service assistant, and was again promoted in 1980 to supervisor for Otto's Cafeteria in Kern Building. In June 1983, he was promoted to the assistant manager of the HUB Eateries where he remained until his most recent promotion to manager of the HUB Eateries in February 1991.

Ms. Wortham, who received a B.S. in hotel, restaurant, and institutional management from Penn State in 1985, began her career with University Park's Housing and Food Services as a student employee in 1983. In 1985 she became an assistant dining hall supervisor and worked until 1987 in McElwain, Johnston, and Waring Dining Commons. In November 1987 she was promoted to manager of housing services for North and West Residence Hall area. In November 1991 she was promoted to assistant manager of the Assignment Office, the position she currently holds.



Dave Gingham



Laurie Wortham

## Two alumni recognized by National Restaurant Association

Two prominent University alumni have been honored by the Educational Foundation of the National Restaurant Association.

Richard A. Benefield, former special assistant to the senior vice president for finance and operations, will receive the foundation's highest recognition—the 1995 Diplomate Award—in recognition of his "dedication to education and for supporting the advancement of professionalism in the hospitality industry."

Walter J. Conti, former member and president of Penn State's Board of Trustees, has been named 1995 Ambassador of Hospitality.

Mr. Benefield, former general manager of the renowned Hotel Magee in Bloomsburg, joined the University staff in 1998, studying its catering and entertaining activities. Named a Penn State Distinguished alumnus in 1983, he

was elected to the Hospitality Hall of Fame in 1976, received the Lawson A. Odde Award of the American Hotel and Motel Association in 1977 and the Pennsylvania Award for Travel Excellence in 1978.

He is a past president of the Pennsylvania Hotel-Motor Inn Association and founder, past president and director of the Penn State Hotel and Restaurant Society.

Mr. Conti, a 1952 Penn State graduate, owns and operates the Conti Cross Keys Inn in Doylestown. He is past president of the National Restaurant Association and the Pennsylvania Restaurant Association. He was the 1983 recipient of the hospitality industry's Gold Plant award as food service operator of the year.

They will be honored at the National Restaurant Association Show's Salute to Excellence Banquet May 23, 1995, in Chicago.



## Wellness Workshops kick off



Housing and Food Services worker Bill Urban (right) gathers information at the Wellness Fair from Bob Melcalfe, of the Adult Learner Center.

About 350 of the 500 Housing and Food Services workers at University Park attended a Wellness Fair in Pollock Commons Recreation Room to mark the start of a wellness program that has been responsible for employee successes in weight loss and smoking cessation.

MaryKate Fox, program specialist in Housing and Food Services, said the annual event — formerly known as Healthy Happenings — is held to increase awareness of healthy habits, promote a healthier lifestyle and lower health care costs. The day-long event also kicks off a free monthly workshop series held for Housing and Food Services employees. The workshops, which feature speakers and demonstrations, are listed in the box below.

"This fair covers all aspects of healthy living from eating and monitoring cholesterol intake to returning to school as an adult learner," Ms. Fox said. "We want to make all our employees feel good about themselves and good about their jobs."

Now in its second year, the Wellness Works program has been responsible, in part, for the initiation of regular exercise regimes and hundreds of pounds being lost by employees. It has also sparked employee participation in fund-raising activities for the American Cancer Society, the March of Dimes and other community organizations.

### WORKSHOP CALENDAR WellnessWorks PENN STATE HOUSING & FOOD SERVICES

**September:** AIDS Education

**October:** "Talk About Prescriptions"

**November:** The Great American Smoke Out

**December:** Break

**January:** Centre County Community Action Sign-up

**February:** Cancer Awareness

**March:** Healthy Baking

**April:** Health Screenings

**May:** "Come Visit the Outdoors"

For more information about the workshops, contact MaryKate Fox at 863-7512 or Janet Decker at 865-2172.

## BOOK SHELF

James G. Beierlein, professor of agricultural economics, is co-author of a textbook titled *Introduction to Agribusiness Marketing*, published by Prentice-Hall Publishing, Inc. The co-authors are Michael W. Woolverton, of the American Graduate School of International Business, and George J. Seperich of Arizona State University. The book is designed for use at the high school level to prepare students to work in a market driven world food industry.

Thomas O. Beebe, associate professor of comparative literature and German, has published his and Qingyun Wu's translation of a novel by Chinese dissident writer Bai Hua, titled *The Remnant Country of Women* (Honolulu: University of Hawaii Press, 1994).

First published in 1988 in China, Taiwan, and Hong Kong, Bai's novel had appeared in French, German, and Russian versions. In alternating chapters, it tells the stories of Suname, a winsome young woman from an idyllic patriarchal community, and Liang Rui, a self-absorbed man who is weary witness to the Cultural Revolution. Through his two protagonists, Bai Hua addresses themes of the repression and freedom of sexuality, the brutality of modernity, and the fluidity of gender roles as the novel moves towards a collision between two worlds.

The collaborative translation is an offshoot of Dr. Wu's doctoral dissertation on comparative feminist utopias, completed in 1991 under Dr. Beebe's supervision. Dr. Wu prepared rough English versions of the chapters, which Dr. Beebe then molded stylistically.

The Spanish translation of the book, *Statistics and Truth: Putting Chance to Work*, by C. R. Rao, holder of the Eberly Family Chair in Statistics and director of the Center for Multivariate Analysis, has been published by Promociones y Publicaciones Universitarias, S.A. Barcelona.

The book traces the history of statistics from primitive times to its uses in the

modern era in government, business, and science. It discusses philosophical issues, including the nature of creativity, connected with the creation of new knowledge based on empirical evidence.

The book was first published in English in 1969 by the Council of Scientific and Industrial Research (CSIR) in India and then reprinted in the United States. The Japanese translation was published earlier in the year and the Polish edition is due to be published later in 1994.

Roberta Salper, professor of women's studies and Spanish, and head of the Division of Humanities and Social Sciences at Penn State Erie, The Behrend College, has published her fourth book, *Ramón María del Valle-Inclán: Questions of Gender*, (Lewisburg: Bucknell University Press, \$42.50, hard cover edition).

"Gender is everywhere," says Dr. Salper, who edited her new work along with Carol Maier of Kent State University. "It's a part of life, and so it's in engineering and in chemistry and in English," she says, "not just women's studies." The new book examines the writings of the early 20th century Spanish writer with special attention given to his view of the social construction of female and male cultural roles.

"Valle-Inclán was by no means a conscious feminist," Dr. Salper says. In fact, his personal life which she refers to as both extravagant and eccentric, leaves much to be desired in terms of his statements about women. But according to Dr. Salper, Valle-Inclán's writings smashed through barriers of class and politics with such force that he simultaneously exposed the absurdity of many of the confining roles forced on Spanish women at the turn of the century.

"He said all kinds of outrageous and irresponsible things," says Dr. Salper, noting that Valle-Inclán's work first received recognition for his stunning prose. "But soon his powerful message began coming through as well and nothing was safe from his satire."

Valle-Inclán took on political institutions, organized religion, aristocrats and beggars, men, and women. Dr. Salper sees him as a man with a progressive and global vision of social justice. "He cut right through to the raw truth," she explains, "in the tradition of a Cervantes or a Picasso."

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Lisa M. Rosellini, Associate Editor  
Kathy Norris, Staff Assistant/Calendar

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## PENNTAP funds will help businesses

PENNTAP, the Pennsylvania Technical Assistance Program, has received \$404,000 in grants from three sources to support its work in providing technical assistance to Pennsylvania businesses and industry.

Pennsylvania's Ben Franklin/Industrial Resource Center Partnership Board of Directors has allocated \$247,000 to support PENNTAP. Terri Kaufman, director of the Office of Technology Development for the Pennsylvania Department of Commerce, said, "PENNTAP has been a long-standing part of Pennsylvania's technology assistance programs and this funding will support its work and ensure its ability to work even more closely with our Industrial Resource Centers and Ben Franklin Technology Centers."

The Philadelphia Regional Office of the U.S. Economic Development Administration has provided a \$122,000 grant to PENNTAP through its University Center program. The funds provide support to PENNTAP

to use its own resources, those of Penn State and other resources to provide technical assistance to Pennsylvania business and industry.

The NASA Mid-Atlantic Technology Applications Center (MTAC) has awarded PENNTAP \$35,000 to be its field assistant in Pennsylvania. MTAC serves as a regional access point to federal technology resources and supplies PENNTAP with information on federal technologies. When PENNTAP identifies companies that can benefit from federally developed technologies, it works with the company, MTAC and the appropriate federal laboratory to assist in successfully transferring the technology.

"We are very grateful for the continuing support and recognition from these organizations of PENNTAP's effort to help smaller businesses with scientific and technological problems that may be impeding their competitiveness," Jack Gido, PENNTAP director, said.

PENNTAP focuses on helping small size businesses that normally do not have the in-house expertise or time to resolve specific technical problems. PENNTAP technical specialists assist small businesses with technical information, short-term technical counseling and referrals to other expertise, resources or programs. The service of PENNTAP staff is confidential and provided at no cost. PENNTAP staff assist clients with specific technical questions or problems that can be addressed within a limited amount of time.

Last year, PENNTAP provided 700 cases of assistance to nearly 500 clients. Total cost benefits reported by clients in 1993 as a result of PENNTAP assistance were \$1,600,000. Additionally clients indicated they made \$1 million in capital investments. Nearly 80 percent of the clients served by PENNTAP were firms with less than 100 employees.

## Football fans asked to recycle more

Each football game at University Park's Beaver Stadium generates from 10 to 15 tons of trash — about 50 percent of which could be recycled if fans took that extra step to sort their trash and put cans and bottles into the appropriate recycling bins.

"For the past two years, football-game recycling has not gone as well

*Penn State's stadium recycling program, which began in 1990, was one of the first in the country, predating even the Super Bowl recycling program. Since that time, 25 tons of cans and bottles and more than 40 tons of corrugated cardboard boxes from concession stand operators have been collected.*

as it could," said Phillip Melnick, Office of Physical Plant manager, who is in charge of recycling for the University. "This year, we plan to get back on track by using the public address system to remind fans to recycle, making recycling bins more accessible and trying out a new source-separation option."

In the four years the University has been recycling at Beaver Stadium, 25 tons of cans and bottles have been collected — a noteworthy achievement, says Mr. Melnick, but one that leaves room for improvement. The University placed a ban on beer kegs in the football parking areas last year, resulting in a sharp rise in the use of recyclable cans and bottles.

Tailgaters to Penn State games are urged to sort and put their trash into the green bins throughout the parking lots next to refuse Dump-

## University's signage deemed award winning



### Sign of the times

This directional sign at University Park is one of the first to conform to the University's new exterior sign system.

Photo: Greg Grieco

The Office of Physical Plant (OPP) has won a "Focus on Appearance" certificate from the State College Design Review Board for the University's new coordinated sign system.

Herman L. Slaybaugh, the borough's planning/zoning officer, said the award was sparked by the new directional signs at major intersections on the edge of campus. "The new directional signs provided needed information in a straightforward, easy-to-comprehend manner, and are pleasing to the eye," he said. "The outstanding design provides a preview of even better things to come as the entire system is implemented."

The directional signs are the first to conform to the University's new exterior sign system, which was developed by a University sign committee, refined by OPP, and is now being implemented at various locations around campus by OPP's Maintenance and Operations Division. Maintenance and Operations is fabricating the signs in-house, as well as installing them.

Norman H. Bedell, OPP's assistant vice president, said the concept "was to develop a kind of universal color scheme and design that could work well on any building, whether it is made of brick, stone, or metal, and

See "Signs" on page 3

See "Recycle" on page 3

## DIVERSITY

# Diversity courses required for baccalaureate degree

The University Faculty Senate has recommended and the provost has approved requiring all candidates for a baccalaureate degree or an associate degree to take three credits of cultural diversity focused courses.

This revision of the Cultural Diversity Requirement, effective Summer 1994, eliminates the option that candidates could, in lieu of diversity focused courses, select a number of diversity enhanced courses—12 credits for baccalaureate and six credits for associate degree candidates.

Baccalaureate degree candidates admitted Summer 1991 through Spring 1994 may fulfill their diversity requirement either by taking three credits of diversity focused courses or 12 credits of diversity enhanced courses. Candidates admitted in this period who previously have elected to follow a diversity enhanced pattern of courses to fulfill the requirement and have difficulty scheduling a full 12 credits of diversity enhanced courses should either select a three-credit diversity focused course or should consult with their college dean as to how they may petition for an exception to this requirement.

All freshmen associate degree candidates admitted starting with Summer 1992 through Spring 1994 may fulfill their diversity requirement either by taking three credits of diversity focused courses or six credits of diversity enhanced courses. Candidates admitted in this period who have previously elected to follow a diversity enhanced pattern of courses to fulfill the requirement and have difficulty scheduling a full six credits of diversity enhanced courses should either select a three-credit diversity focused course or should consult with their college dean as to how they may petition for an exception to this requirement.

In addition to diversity focused courses, Education Abroad programs can still be used to fulfill the Cultural Diversity requirement. One semester in a University-approved Education Abroad program will satisfy a student's Cultural Diversity requirement. (Summer Education Abroad programs will not automatically satisfy the requirement. If it does, the content is diversity focused, as determined by the student's college of enrollment, diversity focused credit will be given.)

## The big move



He may not show it, but five-year old Dorian Washington (second from left) already misses his big brother Hakim (center) — a Burton-Waller Fellow from Philadelphia who gets settled in his room in Pennypacker Hall at University Park. His father, Tommie, checks over some paperwork and while mother, Beverly, gives Dorian a little extra attention. The University's Mildred S. Burton and Calvin Waller Undergraduate Fellows Scholarship, previously called the Undergraduate Diversity Scholarship Enhancement, is named in honor of Calvin Hoffman Waller. Class of 1904, believed to be Penn State's first African American graduate, and Mildred Settle Burton, who, in the face of overwhelming poverty, refused to let economics steal her dream of attending college and earned a bachelor's degree in 1932. She is recognized as the first African American female to graduate from Penn State.

Photo: Greg Grieco

# Fledgling program is empowering women

*Enrichment Center at Penn State Harrisburg helping homeless, jobless and incarcerated*

Homeless women in a humanities-based program.

Female prison inmates writing poetry.

Jobless minority women reading to turn their lives around.

It may all sound like an academic pipedream, but through the efforts of Penn State Harrisburg and the Pennsylvania Humanities Council, the Women's Enrichment Center has made all this and more a reality.

And the program is just getting on its feet.

The Enrichment Center, housed at Penn State Harrisburg's Eastgate Center, was established in April to provide humanities-related programming to individuals—primarily women—who traditionally do not participate in such activities.

Funded by the Humanities Council and directed by Irene Baird, a doctoral candidate in adult education at Penn State Harrisburg, the center initially targeted the female population at the Dauphin County Prison, residents of a downtown high-rise for the elderly, the Latino population and

participants from an inner-city social service center.

On the surface, it would appear that a humanities-based program aimed at a prison population and women in transition would be far from what they would need to turn their lives around. However, Ms. Baird points out that the effort has proven that "the humanities can be a dynamic, empowering approach to learning."

Ms. Baird adds "the program concept focuses on that part of the humanities description that refers to looking at what individuals' lives and actions mean to them and the ways in which they express themselves. "As a medium for developing self-expression in the face of traumatic life problems, the homeless women read short literary works by writers of similar race, class and experience in order to identify with the authors. The intent was to subsequently engage the women in telling their own stories, to break down or demystify the barriers toward learning and literature. Implicit in this process were incen-

tives for creating self-awareness, self-

The program aims at building self-esteem and self-realization, providing the women with the confidence necessary to turn their lives around.

esteem, empowerment and multicultural identification."

Noting that program aims at building self-esteem and self-realiza-

tion, Ms. Baird said the program's foundation is providing the women with the confidence necessary to exit their difficult existence and embark on a path toward a more fulfilling life. In part, it is an exercise in self-examination.

"By reading and relating to authors of similar race, class and experience as a stimulus," she added, "this particular group of learners—homeless and mostly jobless—managed to recreate its life experiences in its own voices and looked at learning from a different, non-threatening perspective."

The Women's Enrichment Center is in the process of expanding its focus and offerings to other groups of women in the community with the aim of using humanities to reach out and gain greater control of their lives.

"Based on the focus group research," Ms. Baird said, "appropriate programs will be developed and existing programs modified to address areas of interest. The participants in this way have a hand in guiding their own programs."



## Recycle

continued from page 1

sters and blue barrels around the perimeter of the stadium fence. Green bins will be marked with the recycling symbol and a list of materials that can be put inside.

Recyclable materials, which can be mixed together in the green and blue bins, include clear, brown and green glass bottles, aluminum cans and bimetal or steel food and beverage cans. All containers should be emptied and lids and caps should be removed before recycling—labels can stay on.

"In addition, we are trying out a source-separation pilot program in conjunction with the Centre County Solid Waste Authority," Mr. Melnick said. "Four of the Authority's red recycling

*In addition to adding more recycling bins and reminder announcements, the University is also testing a source separation pilot program.*

trucks will be strategically placed so fans can further separate their trash into clearly labeled separate compartments—one each for green, brown and clear glass; metal cans; plastic bottles, and newspapers."

Penn State's stadium recycling program, which began in 1990, was one of the first in the country, predating even the Super Bowl recycling program. In addition to recycling cans and bottles, the University also has collected more than 40 tons of corrugated cardboard boxes from concession stand operators and has substantially reduced the amount of waste by switching from waxed paper cups to rigid plastic souvenir cups, which many people take home.

"With more recycling bins, reminder announcements and the trial source separation program," Mr. Melnick says, "we hope to make a substantial gain in our recycled waste, saving clean-up costs for the University and landfill space for the region."

## Signs

continued from page 1

could fit in well in any part of the campus.

Under the design, a typical sign has a frame painted gray, a sign panel of lighter gray, and black lettering (in the Helvetica typeface). Some of the signs incorporate the Penn State mark.

The same system is being applied to building signs (such as the one at the recently dedicated poultry research facility), signs conveying information about the handicapped-accessible features of a building (such as the ones on the newly opened HUB Parking Deck), and signs for surface parking lots.

## Breadth and depth distinctions dropped in some general education areas at University

The University Faculty Senate has voted to drop breadth and depth distinctions in the four distribution areas of General Education for baccalaureate and associate degrees—arts, humanities, natural sciences, and social and behavioral sciences.

Effective Summer 1994, students are able to elect courses in these distribution areas of general education without regard to breadth and depth distinctions.

Also, the Senate has recommended and the Provost has approved a revision of the Cultural Diversity Requirement under which all candidates for a baccalaureate degree or an associate degree are required to take three credits of diversity focused courses. (See story on Page 2)

### Baccalaureate Degree Candidates

For baccalaureate degree candidates admitted as freshmen or advanced standing in Summer 1994 or later, general education courses of 46 credits fall in eight areas:

- Writing/Speaking (nine credits in courses designated with GWS suffix)
- Quantitative (six credits in courses designated with GQ suffix)

■ Health Sciences (one credit in courses designated with GHS suffix)

■ Physical Education (three credits in courses designated with GPE suffix)

■ Distribution (27 credits)

Arts (six credits in courses designated with GA or DA suffixes)

Humanities (six credits in courses designated with GH or DH suffixes)

Natural Sciences (nine credits in courses designated with GN or DN suffixes)

Social and Behavioral Sciences (six credits in courses designated with GS or DS suffixes)

Students may develop a sequence of nine credits in either the arts, humanities, or social and behavioral sciences by substituting three credits from one of the other two areas not in the students' major field of study.

### Associate Degree Candidates

For associate degree candidates, there is essentially no change.

## National search on for head of Department of Agronomy

The College of Agricultural Sciences is conducting a national search for the position of head, Department of Agronomy. The head serves as departmental administrative officer and program leader, and reports directly to the dean of the college.

Candidates should possess an earned doctorate in agronomy, soil science, turfgrass science, or a closely related field; a significant period of professional experience; administrative and leadership experience with ability to communicate and serve as an advocate for the department; experience in working with agricultural industry; and experience in or knowl-

edge of university research, extension and resident education functions with a commitment to the land-grant philosophy.

Applicants should submit a letter which reflects their personal philosophy of administration, a resume and a list of five references to: Chair, Department Head Search Committee; 716 Agricultural Sciences and Industries Building, Box E, University Park, PA 16802. This position is available Jan. 1. Applications will be accepted until the position is filled, however, initial review will begin on Dec. 15. For more information, contact Richard H. Fox at (814) 865-1169.

## Electronic access available to most University policies

In 1992 the Provost approved the creation of a University-wide Policy Register. The goal is to make available electronically to the Penn State community a wide variety of information about the University's policies and programs. One advantage of electronic access is that information can be inexpensively updated and distributed, and already a large number of departments, colleges, and administrative offices are using Gopher to distribute their information.

The Penn State community now has access to the University Policy Register in electronic form. All of the Administrative Policies, Human Resources Policies, and Safety Policies can be searched or browsed electronically. This Policy Register will eventually include most of the University's policies, including those found in the Faculty Handbook.

By having the information available electronically, you

can use the INDEX capability to locate information you need. The INDEX will allow you to find individual words that appear in the TITLE of the policy or in the TEXT of the policy. With practice, you will find the most efficient ways to search the Policy Register. If you need to locate the same policies frequently, you will want to place BOOKMARKS.

If you need information about how to make or use bookmarks in Gopher, please call the Help Desks provided by the Center for Academic Computing (814-863-1035 or 863-2496; send email to HELPDESK@PSU.EDU). In conjunction with the University Libraries, the Center for Academic Computing offers monthly seminars on how to use Gopher and locate information throughout the Internet. For information on these seminars, call 814-863-7535.

## Promotions

### STAFF

Barbara Latz, coordinator, Research Funds at Hershey Medical Center.

Rosanna Lenker-Battista, clinical research coordinator at Hershey Medical Center.

Xiaoli Liu, technician-Research at Hershey Medical Center.

Donna M. Lucas, staff assistant V in Housing and Food Services.

Barbara A. Lytle, staff assistant V at Hershey Medical Center.

Kathryn J. Martin, assistant director for Research Affairs at Hershey Medical Center.

Elizabeth E. Matthiesen, staff assistant VII in College of Agricultural Sciences.

Cynthia A. Miller, medical journal coordinator at Hershey Medical Center.

Jill E. Miller, technician-Research at Hershey Medical Center.

Teresa M. Miller, staff assistant VII at Hershey Medical Center.

William L. Mount, lead database programmer in Computer and Information Systems, Office of Administrative Systems.

Janet F. Novak, staff assistant VI at Hershey Medical Center.

Lissa B. Olbeter, assistant director for Research Affairs at Hershey Medical Center.

Carl F. Schott, vascular radiology technologist at Hershey Medical Center.

Pamela A. Shiner, staff assistant VIII at Hershey Medical Center.

Ond G. Swinko, supervisor, Cost Accounting Reimbursement, at Hershey Medical Center.

Earle F. Taylor, respiratory therapy clinical specialist at Hershey Medical Center.

## LEADERSHIP PROFILE

# DONALD A. GOGNIAT

## EXPANDING THE PIE



Donald A. Gogniat, CEO of the York Campus, stresses cooperation and collaboration as a way to increase learning opportunities.

**A**S A CULTURAL GEOGRAPHER, DONALD A. GOGNIAT IS ACCUSTOMED TO THINK GLOBALLY. AND AS YORK'S NEW CEO, HE IS PREPARED TO ACT LOCALLY.

"If you want to try and change things for the better, it doesn't matter at what level you get involved," he says. "In York we've already shown that when campus and community work together, they can make a difference."

While Dr. Gogniat may be the new boy on the block in his present post—he took over in May—he had already spent six years at the campus as director of Continuing Education and the past year as acting executive officer. Before that, from 1980 through 1986, he was a CE area representative at the Penn State McKeesport Campus.

"A number of my ideas about leadership," he says, "are the result of my experiences in Continuing Education, and I can sum them up briefly as: Cooperate, Collaborate, and Expand the Pie."

"Cooperation is the process. This is when you define the areas on which to focus your collective resources. Collaboration is where the rubber meets the road, and the groups you've assembled actually begin to work together."

"We in education particularly need to expand the pie. There are lots of bright 18-year-olds out there

in youth apprenticeship programs who could benefit from a college education. We have to increase learning opportunities for underrepresented minority groups as well as for adult students."

"But we won't be able to expand the pie without a strong commitment to the community. I want York to be a campus where the words 'you' and 'I' are out of place, and people think in terms of 'we.'"

"And depending on the project in hand, that 'we' may range across a broad spectrum of community organizations, including our Faculty Senate, the county's Industrial Authority, the city's Literacy Council and Crispus Attucks Society, or the Ben Franklin Partnership."

In a period of general belt-tightening for the entire Penn State system, Dr. Gogniat believes that York must take a hard look at the realities of its particular situation and then concentrate on the things it can do well.

To illustrate how this plays out, he points to York's geographical location.

"We are two hours from Washington and a half hour from Harrisburg," he says, "which makes us an ideal place to set up pilot programs. Both Federal and State authorities can visit us easily to monitor our progress. That's a strength."

"Our geographical location also has enabled us to establish collabora-

tive relationships with Penn State Harrisburg, Great Valley and Mount Alto.

"With Penn State Harrisburg, for example, we offer a master's degree program in Teaching and Curriculum that relied heavily on community input in the development stage. We assembled focus groups of public school teachers, curriculum specialists and superintendents to tell us what teachers needed to know to fulfill their strategic plans."

York's population mix can be viewed as another strength, according to Dr. Gogniat.

"We are finding a number of ways to serve a diverse urban area with many African Americans and Latinos," he says. "During the summer months, we bring in as many as 700 children and youths for enrichment activities."

"Our MOEST Program (Mathematics Opportunities in Engineering, Science and Technology) goes on year-round and was established with funding from the National Science Foundation, local businesses and industries, and the University."

How can York's leadership make a positive advantage out of the fact that their students are attending a commuter campus with no residence halls?

"By concentrating on student services," according to Dr. Gogniat. "We have put in a great deal of effort into learning support services and our Retention and Developmental Year Programs to help academically disadvantaged students stay in school. At the same time, we have enriched our Honors Program offerings to attract talented high school seniors, and we recruit strong local students with scholarship aid."

"... WE WON'T BE ABLE TO EXPAND THE PIE WITHOUT A STRONG COMMITMENT TO THE COMMUNITY. I WANT YORK TO BE A CAMPUS WHERE THE WORDS 'YOU' AND 'I' ARE OUT OF PLACE, AND PEOPLE THINK IN TERMS OF 'WE.'"

"Since we are a commuter campus," Dr. Gogniat continues, "we have tried to think of ways for our students to take the University's resources home with them. One solution became possible when GTE agreed to help us by providing additional phone lines to link students to our computer system and the Internet from their home computers."

"For the convenience of those students who are working and want to earn one of our five-credit degrees, we have arranged class schedules so that all of these courses are available during both daytime and evening hours."

"But of course our real strength is demonstrated every day to students as they attend small classes where they have an opportunity for personal interaction with top faculty."

Although Dr. Gogniat currently is concentrating his energies on developing the strengths of the York Campus, he brings to that task a broad perspective, the result of both his academic training and personal experience.

After earning a B.S. in secondary education from Indiana University of Pennsylvania, he taught high school before deciding to return to IUP for his master's degree in geography. As part of his thesis project, he spent several months in Guatemala, and his degree complement, decided to join the Peace Corps.

He lived for two years in Costa Rica and then went on to earn his doctorate from the University of Pittsburgh.

"I think if I were asked to name the best years I've ever spent, I'd say my Peace Corps experience," he reflects. "And if I were asked to pick the best days I've ever had, I'd say they were spent on the two trips I

See "Gogniat" on page 5

PENNSTATE





## PARTINGS

Erma L. Buck, tray assembler, Hershey Medical Center, from May 27, 1984, until June 11

Gloria A. Creghan, staff assistant IV, Hershey Medical Center, from Feb. 4, 1974, until July 13.

Shirley S. Engle, staff assistant VI, Hershey Medical Center, from Aug. 20, 1973, until June 4.

Rose M. Faloney, senior clerk, Telephone Operations, Hershey Medical Center, from Jan. 11, 1971, until June 25.

Diane S. Kemmerer, staff assistant II, Bookstore, from Aug. 1, 1979, until June 30.

L. Catherine Lucas, lab attendant B, College of Agricultural Sciences, from April 9, 1978, until June 1.

Angela A. McNaughton, quality assurance analyst, Hershey Medical Center, from June 17, 1979, until May 7.

Richard J. Mills, bookstore manager, Penn State Wilkes-Barre, from Dec. 9, 1968, until July 1.

Louise P. Sowers, administrative manager, Hershey Medical Center, from June 1, 1967, until July 1.

Janet L. Teaman, residence hall utility worker, Housing and Food Services, from Jan. 2, 1983, until May 14.

Johnney L. Weaver, utilities equipment operator B, Hershey Medical Center, from March 6, 1972, until April 3.

## CARPPOOLERS

Wanting to carpool from Malsburg area to University Park. Work hours 6:30 a.m. to 3:30 p.m. Call Kelly at 865-4731.

Looking for a ride from Warriors Mark to University Park; works Monday through Friday, 10:30 a.m. to 2:30 p.m. Call Janet at 632-5380, leave message.

## Gogniat

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made as an instructor in the Semester at Sea Program.

"I was on a ship that travels around the world in 100 days, and I can't think of a better way of showing 500 students what a tightly connected and closed system the world they live in really is."

Even if his travel schedule is more tightly restricted these days, Dr. Gogniat does get around. As a runner who has competed in four marathons, he manages to average about 40 miles a week in southeastern Pennsylvania.

## News in Brief

### Labor Day hours

The Penn State Information and Directory Assistance hours for Labor Day, Sept. 5, will be 8:30 a.m. to 4:30 p.m. Normal hours of 7:30 a.m. to 11 p.m. will resume on Tuesday, Sept. 6.

### We've Moved!

The Office of the Associate Vice President for Research and Technology Transfer has moved from 114 Kern Graduate Building to 207 Old Main. Relocated staff include K. Jack Yost, associate vice president; Jan Smith, administrative assistant, and Lorri Bryan, staff assistant. The phone number remains 841-865-6331. The fax number has changed to 841-863-9659.

### "International Penn State"

On Sept. 8, the Faculty Staff Club will start off the new year with "International Penn State." The evening will highlight the contributions and richness of our international community by featuring the cuisines of India, West Africa, the Middle East, and the Caribbean.

Members of the Penn State community representing these cultures will work with the Nittany Lion Inn staff on the menus and be available at the food stations to talk about the foods. The event runs from 5:30 to 7:30 p.m.; the cost is \$8.00 (\$10.00 for those paying with cash). The event is open to club members and their guests.

For information about joining the club, contact the club officers listed under the "Faculty Staff Club" in the Penn State Faculty/Staff Directory.

### Career fair

More than 65 companies and organizations will be represented at the Eighth Annual Smear College Career Fair to be held from 10 a.m. to 4 p.m. Sept. 22 in the Hetzel Union Building (HUB), on the University Park Campus.

Sponsored by the Smear College's Corporate Associates Program and the Business Student Council, the event is expected to attract several hundred graduate and undergraduate students to the HUB Ballroom and Ray Lounge. The fair offers students the opportunity to learn more about the participating organizations and to explore career possibilities.

Among the firms expected to be on hand are Air Products & Chemicals, Andersen Consulting, Armstrong World Industries, AT&T, Coopers & Lybrand, Deloitte & Touche, Dow Chemical, G.E., General Mills, IBM, Nabisco, Pizza Hut, PNC Bank Corp., PPG Industries, Inc., The May Department Stores Company, The Prudential, Towers Perrin, and Wal-Mart Stores.

Contact Doris McCool at 865-0916 for further information.

### Academic information at your fingertips!

Grade-Point Calculation, Credit by Examination, Grade-Point Deficiency Removal, Graduation with Honors, Appeal of Academic Policies and Procedures, Transcript and Grade-Report Symbols, Conflict of Examinations, Leave of Absence, Simultaneous Degrees, and Multiple Majors are just a few of the more than 250 topics covered in the 1994-95 *University Undergraduate Advising Handbook*, published by the Division of Undergraduate Studies.

The handbook—which is designed to be used in conjunction with other University, college, and department advising materials—concentrates information about University-wide academic policies and procedures in one easy-to-read publication. It is on sale at the Penn State Bookstore on campus.

### Paid volunteers needed

Normal weight males and overweight females are needed for a study of eating behavior conducted in the Nutrition Department at University Park. The study would involve coming to the Food Intake Lab (102 Benedict House) for lunch, returning five hours later for dinner, taking snacks home for the evening, then returning the next morning for breakfast. The study would be one day a week for four weeks.

At all of the meals you may eat as much or as little as you like but at the lunch meal you would be asked to eat a bowl of cream of broccoli soup prior to lunch. Volunteers must be between the ages of 18-40; non-dieting, non-smoking; must usually eat breakfast, and must like cream of broccoli soup. Participants will be compensated for their time. If interested, please call Shelly at 863-8482. Principal investigator is B.J. Rolls.

### DELTA Study

The Nutrition Department is seeking participants for a feeding study to determine the effect of diet on the risk of heart disease.

To be eligible for the DELTA Study, you must be 21-68 years of age and in good health; not taking any prescription medication; postmenopausal women should not be on hormone replacement therapy; able to eat a wide variety of foods; able to come to the Nutrition Center for two meals a day; be in the State College area until May 1995; able to supply blood samples.

Researchers are looking for participants with a slightly elevated blood cholesterol and individuals with a family history of diabetes, heart disease or high blood pressure. Overweight individuals are eligible to participate.

For more information about the DELTA Study, call 863-9745.

### Bookstore re-opening

The Penn State Bookstore and Barnes & Noble Bookstores invite members of the University community to a "Grand Re-opening Reception" for the newly renovated bookstore located in the Bookstore Building next to the Hetzel Union Building on the University Park Campus.

The reception will be held from 3 to 7 p.m. Friday, Sept. 9. Ribbon cutting ceremonies are scheduled for 4:30 p.m.

### Labor history workshop

The founding meeting of a Labor History Workshop will be held at 3 p.m. Wednesday, Sept. 7, in 102 Weaver Building on the University Park Campus.

The workshop, open to all interested faculty, graduate students and library staff, will function as a forum for the critical discussion of work in progress (book or dissertation chapters, articles, etc.) submitted by participants and read in advance by the group. The workshop will meet approximately once a month, from 3 to 5 p.m. Wednesdays, in 102 Weaver.

According to Daniel Letwin, assistant professor of history, the first meeting will be devoted primarily to reviewing the format of the workshop and laying the groundwork for a fall schedule of presentations. "Everyone with even a peripheral interest in labor history in the United States or elsewhere is encouraged to attend."

For additional information, contact Dr. Letwin at 409 Weaver, telephone 863-0417, e-mail D.L.L.

### Parenting and penns

Parenting Plus and Penn State Child Care Program Services are offering two educational opportunities for parents this fall.

A Parenting Skills Class will be held from 11:45 a.m. to 1 p.m. on Tuesdays, beginning Sept. 13. The goal of the program is to enhance the relationships between parents and children, with parents learning skills to improve communication, understanding, and discipline. The class is open to all parents.

A Parent Support/Discussion group will be held from 11:45 a.m. to 1 p.m. Thursdays, beginning Sept. 15. Discussion will be aimed at enhancing the parent-child relationship, and will include such topics as toilet training, stress management, setting limits.

Both groups will meet at the Individual and Family Consultation Center (Beecher House) on the University Park Campus. Child care will be provided for the programs which are offered free of charge. For more information and to register, call Janine at Child Care Program Services, 865-4048.



These and other policies are important to the University, because they are an integral part of the academic quality that is Penn State's highest priority. At Penn State, education happens not only in the classrooms and laboratories, but also in University offices, in residence halls, on playing fields, in concert halls

d. Disruption is an action or combination of actions by an individual or a group that unreasonably interferes with, hinders, obstructs, or prevents the regu-

# Your rights

*A message from the University's Affirmative Action Office*

— Bonnie P. Ortiz  
director of the University's Affirmative Action Office

If you feel that your rights have been infringed upon, you should contact the Affirmative Action Office, 201 Willard Building, University Park, PA 16802, (814) 863-0471.

a. As an academic community, The Pennsylvania State

d. The expression of diverse views and opinions is encouraged in the University community. Further, the First Amendment of the United States Constitu-

See "Your rights" on page 7

## Your rights

continued from page 6

tion assures the right of free expression. In a community which recognizes the rights of its members to hold divergent views and to express those views, sometimes ideas are expressed which are contrary to University values and objectives. Nevertheless, the University cannot impose disciplinary sanctions upon such expression when it is otherwise in compliance with University regulations.

e. When any violation of a University policy, rule or regulation is motivated by intolerance toward an individual or group based on characteristics such as race, color, national origin, gender, sexual orientation or political or religious belief, the sanction will be increased in severity and may include separation from the University.

\*University Policy Manual, AD-29, AD-41, AD-42

### 6. POLICY STATEMENT ON SEXUAL ASSAULT AND ABUSE (POL14, July 28, 1994)

a. The Pennsylvania State University will not tolerate sexual assault or abuse, such as rape (including acquaintance rape) or other forms of nonconsensual sexual activity. These acts degrade the victims, our campus community, and society in general. While the University cannot control all the factors in society that lead to sexual assault and abuse, the University strives to create an environment that is free of acts of violence.

b. Violations of this policy will result in disciplinary action, which may include separation from the University.

c. Sexual assault and abuse is nonconsensual physical contact of a sexual nature. Sexual assault and abuse can occur between acquaintances or parties unknown to each other.

### 7. POLICY STATEMENT ON SEXUAL HARASSMENT\* (POL15, July 28, 1994)

a. Sexual harassment of faculty, staff or students will not be tolerated at The Pennsylvania State University. The University takes an active role in providing information and/or training to students and employees on the seriousness of such behavior and the importance of ensuring an educational and work environment in which all individuals are respected.

b. Sexual harassment has been defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when:

(1) submission to such conduct is a condition for employment, promotion, grades or academic status; (2) submission to or rejection of such conduct is used as the basis for employment or academic decisions affecting an individual; (3) such conduct has the purpose or effect of interfering unreasonably with the individual's work or academic performance or creates an offensive, hostile, or intimidating working or learning environment.

c. Any member of the University community who experiences sexual harassment should contact Student Affairs, the Affirmative Action Office, or the appropriate resource person.\*\*

\*University Policy Manual, AD-41

\*\*See Reference Section, page 18, for listing of sexual harassment resource persons.

### 9. POLICY STATEMENT ON NONDISCRIMINATION\* (POL17, July 28, 1994)

The Pennsylvania State University is committed to the policy that persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by state or federal authorities. The Pennsylvania State University does not discriminate against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status. Direct all inquiries regarding the nondiscrimination policy to the Affirmative Action Director, The Pennsylvania State University, 201 Willard Building, University Park, PA 16802-2801; Tel. (814) 863-0471; TDD (814) 865-3175.

\*University Policy Manual, AD-42

## Faculty/Staff Alerts

### Policies and Rules

All new students should have a copy of *Policies and Rules* which outlines student academic and conduct regulations such as class attendance, free speech, sexual harassment, consensual relationships, leave of absence, academic dishonesty, scheduling of final examinations during the last week of instruction, and confidentiality of student records.

Copies of *Policies and Rules* may be obtained from the dean of your college or from Student Life in 135 Boucke, 863-1809. All University policies may be reviewed through the PSU Gopher System accessed through any terminal connected to the Center for Academic Computing PSJVM mainframe.

### University Health Services hours

University Health Services will be open 8 a.m. to 5 p.m. Monday, Tuesday, Thursday and Friday; and Wednesday 9 a.m. to 5 p.m. Urgent Care only will be available on Saturdays 11 a.m. to 3 p.m.

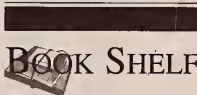
In 1992, in response to the mandate of the University Future Committee, University Health Ser-

vices outlined plans to reduce after hours care. Current usage patterns as well as the results of student/customer surveys support this decision to consolidate and improve services during the times of highest utilization. Even with this reduction in hours, Penn State's University Health Services will be open more hours per year than other Big Ten student health services.

The changes will result in the creation of an additional 120 appointment slots during the week, shortening the wait in scheduling routine appointments. In addition, this reduction in hours will provide an increase in nursing and clinician staff in the Urgent Care Department during weekdays. The University Ambulance Service will continue to operate 24 hours a day.

Although the business day for Health Service ends at 5 p.m., the Ritenour Building may still be open for scheduled meetings Monday through Thursday.

On Labor Day, Sept. 5, Health Services will be open 11 a.m. to 3 p.m. In addition, UHS will close at 5 p.m. on Dec. 23, and remain closed through Jan. 2, 1995.



Theodore R. Vallance, professor and associate dean emeritus of human development, is the author of *Prohibition's Second Failure: The Quest for a Rational and Humane Drug Policy*, published by Greenwood Publishing Group, Inc.

The book portrays the current picture of the American drug problem and the ideological bias that maintains it, by analyzing economic and social costs of the drug problem — including the costs incurred by the recent "war on drugs." Reporting the most recent economic cost data on the drug problem, the book offers criteria for evaluating the effectiveness of current U.S. drug policy and discusses its successes and failures.

Dr. Vallance is also editor of *Values and Ethics in Human Development Professions* (1984), and *Mental Health Services in Transition: A Policy Sourcebook* (1983).

Michael M. Coleman and Paul C. Painter, professors of polymer science in the Department of Materials Science and Engineering, are authors of *Fundamentals of Polymer Science: an Introductory Text* published in Lancaster and Basel by Technomic Publishing Co., Inc.

The comprehensive and readable introduction to polymer science is intended for students, but also provides an overview of today's polymer science for technical and engineering personnel unfamiliar with the subject, and a convenient update for scientists. It includes background material frequently lacking in other texts. Abundant schematics help to clarify key concepts and apt quotations add an idiosyncratic counterpoint.

The book begins with a description of the types of microstructures found in polymer materials, then leads to discussion of the mechanisms of homopolymerization and copolymerization, together with the kinetics and statistics of polymerization. A separate chapter deals with the characterization of chain structure by spectroscopic methods.

Further chapters cover chain conformation, and structure and morphology, leading to a dis-

cussion of crystallization, melting, and glass transition. Moving from solid state to solution properties, solution thermodynamics is introduced and the measurement of molecular weight by various solution methods is discussed. The final chapter deals with mechanical and rheological properties from a phenomenological continuum approach, then in terms of a fundamental molecular perspective.

Drs. Coleman and Painter previously have published two other books: *Theory of Vibrational Spectroscopy and its Application to Polymeric Materials*, and *Specific Interactions and Miscibility of Polymer Blends*. Dr. Painter currently is chair of the Polymer Science Program in the Department of Materials Science and Engineering.

*Using Children's Books in Preschool Settings* by Steven Herb, education librarian, University Libraries, and Sara Willoughby-Herb, has been published by Neal-Schuman Publishers, Inc.

*Using Children's Books* is a guide in the selection and use of children's literature designed for public and school librarians, early childhood educators and administrators, child care personnel and parents. The book serves as a bibliography and as a step-by-step guide to creating a highly literate environment for children two through five years of age.

Topics covered include types of children's literature suitable for preschool, reading aloud, storytelling, song and poetry, and integrating literacy experiences throughout the preschool day. The text takes a developmental approach to the use of children's books with a special emphasis on the connection between literacy and language.

Alan M. MacEachern, professor of geography, is author of *Some Truth with Maps: A Primer on Symbolization and Design*, published by the Association of American Geographers. This monograph is an effort to share knowledge of cartography with those who regularly produce maps using geographic information systems (GIS) and current computer-based technology, but do not have formal cartographic training.

The *Primer* introduces mapping principles, emphasizing the kinds of maps used in environmental policy formulation and management. It also provides a systematic process for considering symbolization and design to help scientists and policy analysts deal with the types of mapping problems they encounter in the course of their activities.



# The Arts

AT PENN STATE

## Student drawings

The exhibition, "Scapes: Student Drawing Exhibition," is on display through Friday, Sept. 9, at the Patterson Undergraduate Gallery on the University Park Campus.

The show will feature drawings by students in the Arch 120B visual communication course taught by Richard Alden, assistant professor of architecture.

The Patterson Undergraduate Gallery is part of the College of Arts and Architecture School of Visual Arts. Located on Curtin Road, it is open Monday through Friday from 7 a.m. to 10 p.m. and closed Saturday and Sunday.

## Benefit concerts

Singer-songwriter Beth Williams will give two benefit concerts for Shaver's Creek Environmental Center on Saturday, Sept. 3.

The performances — a children's show at 4 p.m. and an evening show at 6 p.m. — will be held on the lawn at Shaver's Creek, off Route 26 south of Pine Grove Mills. Those attending are encouraged to bring a blanket and picnic supper.

For the children's show, tickets are \$2.50 for children and \$4.00 for adults; all tickets for the evening show are \$6.00. Proceeds will benefit the educational programs at Shaver's Creek.

The performances are sponsored by the Acoustic Brew Coffeehouse. For more information, call Shaver's Creek at (814) 863-2000 or (814) 667-3424.

## "Eye of the Beholder"

*Eye of the Beholder*, an exhibit of the photographs of Margaret Duda and the poetry of Robert Lima, will open Sept. 8 at the Shoemaker Galleries of Juniata College in Huntingdon. A concurrent exhibit in the adjacent gallery is *The Marios of Revolution Road*, which features photographs of Mexican women by Margaret Duda and Paul

Duda. The exhibit will run through Oct. 4.

Dr. Lima, professor of Spanish and comparative literature, and Fellow of the Institute for the Arts and Humanistic Studies, and Margaret Duda, a State College photographer with many professional credits, first exhibited their works last summer in the East Gallery of Pattee Library at University Park. Paul Duda, a Penn State graduate, teaches photography at the University of Bridgeport, Bridgeport, Conn.

## "Soundings" on WPSU

The book *Big Time Football at Harvard 1905: The Diary of Coach Bill Reid* will be the topic of the nationally broadcast program "Soundings," airing at 7:30 p.m. Wednesday, Sept. 7 on WPSU. Author of the book, Ronald Smith, professor of exercise and sport science, will be the show's guest.

## Recognition recital

Eight undergraduate students from the School of Music will perform in a jury recognition recital at 8 p.m. Friday, Sept. 9, in the School of Music Recital Hall at the University Park Campus.

The recital is free to the public.

## Shaver's Creek

Shaver's Creek Environmental Center at Penn State is offering several public programs in September:

- Nature and wildlife photography, 10 a.m. to 2 p.m. Saturday, Sept. 10. This workshop is designed for beginners and will focus on equipment, composition, and techniques. Participants will have a chance to try out their skills on the natural objects around the center.
- Insects of the evening, 7 to 8:30 p.m. Saturday, Sept. 17. Participants should bring a flashlight for this chance to explore nocturnal insects. Children are welcome.
- Introduction to rock climbing, 8 a.m. to 4 p.m. Sunday, Sept. 18. Shaver's Creek will

provide the equipment and instruction; beginners are welcome.

- Wildflower walk, 2 to 4 p.m. Sunday, Sept. 18. A naturalist will guide the walk, offering folklore and identification tips. Children are welcome.

In addition, Shaver's Creek is sponsoring a trip to Hawk Mountain Sanctuary on Saturday, Oct. 1, to watch migrating hawks. Registration includes an introductory program on hawk migration, held at Shaver's Creek the evening before the trip.

Fee information and registration for all programs is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons also can call either number to receive a free copy of Shaver's Creek's seasonal program guide.

Shaver's Creek is a part of the School of Hotel, Restaurant, and Recreation Management in the College of Health and Human Development.

## Odyssey on WPSU

On "Tango Drama," the next episode of *Odyssey Through Literature*, Rosalya Costantino of the Department of Spanish, Italian, and Portuguese speaks about the playwright Sabina Berman and her portrayal of feminism in Mexican society. Dr. Costantino and host Leonard Rubinstein discuss Western and Mexican feminist philosophy and how our cultures, political structures, and languages create barriers between the two sexes.

"The rejection of the preconceived notions that come with the terms (man and woman) is explicit in much of the writing of not only Berman, but many other writers today, both male and female. We can't do away with language totally, but I think that on the stage, where the participation between those live bodies and the audience is much more direct and much more immediate than in the written word, we have the opportunity to air out, to shake out, to empty out, those terms and then to fill them, to create spaces within the terms that will allow a much broader conception. I think this is a very big part of Mexican feminism," Dr. Costantino said.

*Odyssey Through Literature* is produced at WPSU-TV as a continuing education service to the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

# Speakers set for Behrend College's award-winning series

The award-winning Speaker Series at Penn State Erie, The Behrend College, returns this fall to examine "The American Agenda."

Former Vice President Dan Quayle; William H. Gray III, President Clinton's special envoy to Haiti; former U.S. Representative to the United Nations Jesse J. Kirkpatrick; and former Virginia governor Douglas Wilder are among the distinguished speakers who have agreed to lecture at the college.

Also appearing this year will be Robert Knight, director of cultural studies at the Family Research Council; William B. Rubenstein, director of Lesbian, gay rights, and AIDS projects for the American Civil Liberties Union; syndicated columnist Dan Van Ant, author Sam Fulwood III, and actor Corey Feldman.

"A unique competitive bidding process and our reputation with the lecture industry enables Penn State-Behrend to secure a high-quality series. Past speakers consistently praise the quality of our series and often help secure future speakers," said David P. Shields Jr., college director of Student Activities and Speaker Series organizer.

Dan Quayle, for example, is a good friend of Reagan security adviser Ken Adelman, who spoke here last year. It's my understanding that Mr. Adelman spoke very highly of our program to Mr. Quayle, and was very complimentary of our treatment of the speakers, and of the local audience's responsiveness.

Penn State-Behrend's Speaker Series has twice won the National Association for Campus Activities' Best Lecture Series Award. The series is lauded for its innovation because in addition to the public lecture, speakers agree to dine with a select group of students and faculty, participate in a news conference, and host a one-hour radio call-in show on WFSB, at 1450. With funding support from First National Bank of Pennsylvania, WFSB will also broadcast each lecture live.

The series is partially funded by the John Nesbit Rees and Sarah Henne Rees Foundation and sponsored by the Penn State-Behrend Office of Student Affairs.

## THIS YEAR'S LECTURES

- William H. Gray III, *Leading the Way Into the 21st Century*, Noon Monday, Sept. 12, Student Activities Commons, Reed Union Building.
- Dan Quayle, *Standing Firm*, 8 p.m. Thursday, Oct. 13, Erie Hall. Admission \$3, with proceeds to benefit WFSB AM 1450.
- Robert Knight vs. William B. Rubenstein, *Gay Rights: A Question of Fairness*, 7:30 p.m. Wednesday, Nov. 2, Erie Hall.
- Sam Fulwood III, *The Rage Behind Black America*, 7:30 p.m. Monday, Feb. 16, Reed Lecture Hall, Reed Union Building.
- Dale Van Ant, *Scandals, Scoundrels, and Saints: The News Behind the Headlines*, 7:30 p.m. Tuesday, Jan. 24, Reed Lecture Hall.
- Gov. Douglas Wilder, *Political and Social Issues in the 90s*, 7:30 p.m. Tuesday, Feb. 7, Erie Hall.
- Jesse J. Kirkpatrick, *A World Overview*, 7:30 p.m. Thursday, March 16, Erie Hall. Admission \$3.
- Corey Feldman will speak on substance abuse and recovery. The date and time of his lecture will be announced when they are confirmed.

All lectures are open to the public, and, with the exception of Dan Quayle and Jesse J. Kirkpatrick, are free. For more information about the Series, call Penn State-Behrend at (814) 898-6000.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

## Thursday, September 1

School of Music, 8 p.m., Recital Hall. Carl Blake, piano; Joanne Zaggi, violin; Donald Hopkins, viola, and Leonard Feldman, cello.

## Friday, September 2

■ Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Robert H. T. Smith on "International Education and the Role of the Australian Education Office."

## Saturday, September 3

Shaver's Creek, Beth Williams, singer-songwriter to perform. Children's show, 4 p.m., and Adult show, 6 p.m. For information call 863-2000.

## Monday, September 5

## Labor Day

## Wednesday, September 7

Labor History Workshop, 3 p.m., 102 Weaver Bldg. Faculty and graduate students will function as a forum for the critical discussion of work in progress submitted by participants and read in advance by the group.

Accounting, 3:30 p.m., 333 Bealm BAB. David Lacker on "Total Quality Management and the Choice of Information and Reward Systems."

## Friday, September 9

Gallery Talk, 11:30 a.m., Christoffers Lobby, Palmer Museum. Jennifer Olsen on "Felix Vallotton's Graphic Work."

Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Mac

Dilley on "What is USAID Doing About Famine?"

School of Music, 8 p.m., Recital Hall. Jury Recognition Recital.

## Saturday, September 10

Gallery Talk, 11:30 p.m., Christoffers Lobby, Palmer Museum. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

## PUBLIC RADIO

## WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 5-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Rock Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein,"

Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

## Thursday, September 1

Ceramic Science, 11 a.m., 301 Steidle. G.V. Srinivasan on "Development of Continuously Sintered Polycrystalline SiC Fibers."

## Friday, September 2

Center for Gravitational Physics and Geometry, 7:30 p.m., 101 Osmond Lab. Roger Penrose on "Shadows of the Mind."

## Tuesday, September 6

Chemical Engineering, 3 p.m., 140 Fenske Lab. Joseph L. Cavinato on "Globalization of Economies: Implications for the Chemical and Petroleum Industries."

Chemistry, 3:30 p.m., 55 Osmond Lab. Paul S. Weiss on "Atomic Scale Views of Interactions, Dynamics, and Chemistry of Molecules at Surfaces."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Sanya S. Jonnalagadda on "The Role of Diet in Biliary Lipid Homeostasis and Gallstone Disease."

## Wednesday, September 7

Gerontology, noon, 101 Health & Human Development Bldg. East. Freda Blanchard-Fields on "Attributional Processes from Adolescence through Older Adulthood."

## Thursday, September 8

Ceramic Science, 11 a.m., 301 Steidle. Darryl Butt on "Vaporization Behavior and Laser Diagnostics of Transition Metal Refractory Carbides."

Electrical Engineering, 4 p.m., 123 EE East. Beth O'Neill on "Qualities of Leaders."

Computer Science, 4 p.m., 302 Pond Lab. Mohan M. Trivedi on "ABC of Intelligent Robotics."

## CONFERENCES

## Thursday, September 1

Second Annual Penn State Conference on Quantum Geome-

Iry. Contact Karen Brewster at 863-9605.

## Friday, September 9

Food Science Weekend, 175 attendees, PS Scanticon.

Through Sept. 10.

## EXHIBITS

## Potter

## West Lobby Gallery:

Sophie Richmond, watercolors of Pennsylvania and the

Grand Canyon, through Sept. 15.

## East Corridor Gallery:

■ "A Day in Germany," photography from "new Germany,"

through Sept. 30.

## Lending Services Gallery:

■ "Fragments of Prague," Helena Lukas Martemucci photog-

raphy, through September.

## Palmer Museum:

■ "Felix Vallotton Prints and Preparatory Drawings," through Oct.

9.

"Gifts to Celebrate the New Museum," through Dec. 11.

Pattern Undergraduate Library:

"Scapes: Student Drawing Exhibition," through Sept. 9.

## Zoller Gallery:

"Galactic Visions," through Sept. 25.

■ Reflects an international perspective

## TIPS

## Information Penn State

Call 863-1234, and enter the number of the message you

wish to hear. Messages are listed in the front of the tele-

phone directories. Other messages are Weather—234;

Arts Line—345; University Calendar—456.

## 25-year Awards



Observing 25 years of service at the Applied Research Laboratory are, from left, Michael L. Bilet, head of the Fluid Dynamics Department; Thomas G. Hughes, group supervisor, Power and Mechanical Systems Department; Claus P. Janotta, head of Computer Systems and Networking Group, Information Systems and Intelligent Systems Division; William Peck, engineering designer, Power and Mechanical Systems Department; Jack W. Sharer, research assistant, Guidance and Control Department, Information Systems and Intelligent Systems Division, and observing 25 years of service at the University is Robert Darby, instructor in exercise and sport science.

## SEPTEMBER 1 - SEPTEMBER 11

## Leonhard Center's Leadership Seminar Series begins Sept. 8

Bill Leonhard, a retired U.S. Army general and CEO of The Parsons Corporation, and Eric Walker, Penn State president emeritus, will kick off a Leadership Seminar Series sponsored by The Leonhard Center for the Enhancement of Engineering Education and the Department of Electrical Engineering.

Beth O'Neill, group coordinator of the Leonhard Center Events, also will join the panel in a discussion of "Qualities of Leaders," at 4 p.m. Thursday, Sept. 8, in 123 EE East on the University Park Campus.

The series is a first step in creation of a Leader-

ship Minor currently being developed by the Leonhard Center in partnership with the Department of Electrical Engineering, according to Jack Matson, Leonhard Center director.

Other presentations in the series include: "Entrepreneurial Ventures," by Elizabeth Kisenwether and Todd Erdley, co-founders of Paragon Technologies, Inc., Sept. 22; "Leadership as Service," by Michael Brunner, president of AT&T Federal Systems (retired) and chair, Leonhard Center Board, Oct. 6; "Leading Project Management Teams," by Mark Wharton, vice president product develop-

ment, Maxtech, Inc., Oct. 20; "Leadership Roles in Large Corporations," by Harry Bell, vice president (retired), Hughes Corporation, Nov. 3; "Leadership in Public Policy," by Johnathan Plant, director, Worldwide Environmental Programs for Allied Signal Corporation and a member of NAFTA Environmental Commission, Nov. 10.

All seminars are at 4 p.m. Thursdays in the Electrical Engineering seminar room, 123 EE East.

For more information, contact Jack Matson at 865-4014.

## Appointments

### Two named as interim leaders

Appointment of interim leadership for the Department of Theatre Arts and the Center for the Performing Arts, has been announced by Neil Porterfield, dean of the College of Arts and Architecture.

Barry Kur, associate professor of theatre arts, will fill the top slot in theatre arts, while David Will, manager of operations for the Center for the Performing Arts, will assume the role of center director. They will fill the positions until permanent successors are named.

Mr. Kur also will continue to serve as the director of actor voice and speech training. Since 1982 he has coached voice, speech, dialects and verse text for productions of the University Resident Theatre Company and Pennsylvania Centre Stage. As director of the University Park Ensemble of Penn State, he addresses social, health, and academic issues. He is immediate past president and serves on the board of directors of the Voice and Speech Trainers Association.

Barry Kur has already picked up the reins as interim head of the Department of Theatre Arts, and I am fully confident that he will manage this year of transition very well. He has extensive academic and administrative experience and the full support of an extraordinarily dedicated faculty," Dean Porterfield said.

Mr. Kur's research and development of dialect coaching techniques has won him national attention through presentations at both theatre and speech communication conferences. He holds a master of arts degree from The State University of New York at Binghamton and an undergraduate degree from SUNY-



Barry Kur



David Will

Oswego. He is the author of *Stage Directs: A Continuation of the Lessac Approach to Actor Voice and Speech Training*.

He has been an actor, director and voice/speech coach at various academic, summer stock and professional theatre companies. Prior to his appointment at Penn State he taught at Ohio University's Professional Actor Training Program. He also has served as co-chair of the theatre department and voice/speech instructor for the South Carolina Governor's School for the Arts.

Mr. Will earned both a bachelor's and a master's degree from Penn State. After receiving his master of fine arts degree in technical theatre arts, he continued in his position as assistant production manager for the Department of Auditorium Management.

In 1986 he served for three months as interim director of the Center for the Performing Arts. He was later appointed manager of operations for the center as well as facility coordinator for the College of Arts and Architecture.

"I am very pleased that we had David Will 'in the wings' and that he has agreed to serve as interim director of the Center for the Performing Arts," Dean Porterfield said. "His long experience with the center has prepared him for this important role, and I am confident that he will provide the steady hand and leadership necessary for another highly successful season."

As a consultant, Mr. Will has advised the programming committee for the Bryce Jordan Convocation Center. He also has functioned as a lighting designer for the Martin Luther King Celebration and the Contemporary Dance Company.

For the last three years he has served on the board of the Central Pennsylvania Festival of the Arts as vice-president for administration and planning. He also sits on the board of control for the Penn State Thespians and on the committee for the New Music Building II Planning.

### Director of sales appointed

Fran E. Levin, former general manager of the Atherton Hilton in State College, has been appointed director of sales at the Nittany Lion Inn.

In the position, she is responsible to the general manager for the operations of the sales and conference services departments of the Nittany Lion Inn and will serve as the Inn's representative to the marketing committee for the Penn State Scanticon, Continuing and Distance Education, and the Nittany Lion Inn.

Ms. Levin will develop packages and promotions to attract new business and nurture current business, and will establish, with the general manager, long and short term marketing plans with associated budgets. She also will serve as liaison to the Penn State Alumni Association for the purpose of developing and implementing joint marketing opportunities.

A graduate of Rider College, Lawrenceville, N.J., Ms. Levin joined the Atherton Hilton in 1988 as director of sales and marketing. She was named general manager in 1990. Previously she had served as director of sales and marketing at the Georgetown Marbury House/Quality Royale and director of sales at Vista International Hotel and Omni Georgetown Hotel, all in Washington, D.C.

She serves as vice president of the Lion Country Convention Bureau and is a member of the board of directors of PA Travel Council, Pennsylvania Centre Stage and the Central Pennsylvania Festival of the Arts.

### Hershey post filled

Donald A. Bressler has been named chief information officer and executive director for management information systems, and associate professor, Department of Radiology at The Hershey Medical Center.

Mr. Bressler will provide overall leadership in all aspects of information technology at the Medical Center and will head the Center for Information Technology and the Information System Department.

Since 1988, he served as vice president for management and information services at Montefiore Medical Center, a 1,200-bed, tertiary-care facility in the Bronx, New York City, and affiliated with the Albert Einstein College of Medicine. Before his employment at Montefiore, he spent four years in management consulting. In addition, he served 13 years at New York University (NYU), at the medical center, where he was director of long-range planning, and at the main university campus, where he was in charge of all university computing.

Mr. Bressler has served on the adjunct faculties of Columbia University and Baruch College and has been a guest lecturer with the NYU School of Public Administration, NYU Graduate School of Business Administration and the MIT Sloan School of Management.

## Private Giving

# Competitive program yields more than \$1 million in equipment

The University will receive more than \$1 million in equipment this year for six research proposals submitted through IBM's competitive Shared University Research awards program.

"We are very pleased to have IBM's continuing support of our research. These grants are very competitive, and receiving them indicates that IBM recognizes the many successes we have had working together over the years," John A. Brighton, executive vice president and provost, said.

According to J. Gary Auguston, executive director of the University's Computer and Information Systems, IBM was interested in spreading the SUR funds to as many proposals as possible this year. "Our researchers responded quickly with high-quality proposals, and IBM has demonstrated

again that it is pleased with the way IBM has handled this program." All of the equipment awarded under the SUR program was to be installed by the beginning of the academic year in August.

IBM developed the SUR Grant Program in 1992 to maintain its technical presence at a limited number of major research universities, based on their research capabilities, established business relationship with IBM and the extent to which graduates of the universities are key to IBM.

The faculty, the research studies funded and the value of the equipment are: — Michael Frenklach, professor of fuels science in the College of Earth and Mineral Sciences, "Atomistic Studies of Energy-Selected Reactions Underlying Formation and Growth of

Novel Electronic Materials," \$69,099.

— Rangachar Kasturi, associate professor of computer science and engineering in the College of Engineering, "A Visual Information Management System," \$101,224.

— Jeffrey S. Mayer, assistant professor of electrical and computing engineering in the College of Engineering, "Reduced Power Consumption in the Backlight System of Active-Matrix Liquid Crystal Displays," \$58,747.

— Kenneth M. Merz, assistant professor of chemical and molecular biology in the Eberly College of Science, et al., "Simulation of Molecular Systems," \$188,400. This project also includes more than \$300,000 in matching National Science Foundation funds and an additional \$125,000 in

IBM standard educational discount funding for a total project value of more than \$600,000.

— Alexander Wolszczan, professor of astronomy and astrophysics, and S.B. Anderson, a postdoctoral scholar, Eberly College of Science, "Advanced Parallel Computing in the Search for Rapidly Spinning Neutron Stars," \$204,648.

— Barbara Garrison, head and professor of chemistry in the Eberly College of Science, et al., "Distributed High Performance Computing," \$422,800. This is a joint proposal with Material Sciences, Chemistry and the Center for Academic Computing.



## New theory on cell wall growth could upset long-held scientific views on the subject

**University researchers shed new light on a long-perplexing biological mystery**

A new discovery revealing how plant cell walls grow could overturn a theory held by biologists for over half a century, according to research published in the *Proceedings of the National Academy of Sciences* by University biologists Simon McQueen-Mason, postdoctoral fellow, and Daniel J. Cosgrove, professor of biology.

The research sheds new light on a long-perplexing biological mystery: what is going on inside the cell wall that makes it simultaneously as rigid as steel yet so massively expandable it can extend as the cell grows up to 1,000 times in volume during its lifetime?

According to the long-held theory, cell walls can grow only after strong covalent chemical bonds holding together the wall components are permanently broken. The new research indicates that growth actually occurs after the temporary physical disruption of the wall's weaker hydrogen bonds.

"A major breakthrough appears to have been achieved," said Lincoln Taiz, professor of biology at the University of California at Santa Cruz and an expert on cell walls and plant growth, in a commentary published on the Penn State research in a recent issue of the journal.

The study shows how expansins, a novel family of proteins first discovered by Dr. Cosgrove's research group in 1992, relax the stresses in the walls of growing plant cells. These stresses may be up to 1,000 times greater than atmospheric pressure, Dr. Cosgrove explained.

"We now have discovered the biochemical mechanism by which expansins cause stress relaxation in plant cell walls," he said. Specifically, Dr. Taiz explained, the research reveals for the first time the "identity of the chemical bonds that have to be broken for stress relaxation to occur."

The cell wall's strength comes from its microscopic structure, a mat



Daniel Cosgrove, professor of biology and June Shi, graduate student in plant physiology.

Photo: Greg Grieco

of tough, thin cellulose crystals trapped in a tangle of long polymer chains. For decades, researchers have tried to discover the identity of the molecule that causes the polymer chains to loosen their glue-like grip on the crystals. They believed the action of the elusive mystery molecule enables the cell wall to expand, giving the plant cell room to grow.

Knowing that an acid environment accelerates the growth of plant cells, they suspected this molecule to be an enzyme whose function was controlled by the pH value in the wall. The enzymes they believed, chemically disintegrated the polymer chains by breaking apart the strong, covalent, chemical bonds holding its atoms together. But after more than 60 years of research, "no one could ever identify the specific enzyme."

Dr. Cosgrove said, until his research identified the expansin protein two years ago.

"What we have shown now is how expansins work — by disrupting the weaker hydrogen bonds between the atoms," Dr. Cosgrove said, rather than the strong covalent bonds scientists had long believed were disrupted during cell-wall growth. He explains that hydrogen bonds in the world of atoms are the equivalent of the sticky-note. "They are easy to pull apart and easy to stick back together again."

"Expansins seem to cause physical slippage between the components of the cell wall rather than a chemical reaction," Dr. Cosgrove said. His research suggests that expansins disrupt the hydrogen bonding between the cellulose crystals and the polymer

matrix in plant cell walls, allowing the components to briefly slip past each other, then quickly clamp tightly together again.

This process, he believes, relaxes the stresses between the cell-wall components, resulting in a permanent expansion of the cell wall.

"It's analogous to breaking in a new pair of shoes," Dr. Taiz said. As soon as the cell walls relax, pressures in the plant cell begin to build up again and the process is repeated over and over throughout the cell's growth. "If shoes could do this, one pair would last a lifetime."

Drs. Cosgrove and McQueen-Mason made the discovery by testing their expansins on paper, a simple material made from plant cell walls, rather than on actual plant-cell walls, which Dr. Taiz describes as being "bewildering complex."

Because the strength of paper is known to result from hydrogen bonding, they reasoned that if expansin proteins altered hydrogen bonds they would weaken the mechanical strength of paper. They compared the effect of expansins with the effect of cellulase, a hydrolytic enzyme that cuts through polymer chains in a chemical reaction, permanently breaking covalent bonds between atoms.

There were big differences between cellulase and expansin action in extension and stress-relaxation tests," Dr. Cosgrove said. "Treatment with cellulase caused massive degradation of the paper, whereas expansins merely caused slippage between the paper fibers."

"In all cases that we have tested," he added, "expansins seem to be altering the stress-relaxation properties of paper in a unique way, quite different from the action of hydrolase enzymes like cellulase."

Dr. Cosgrove said the research gives "direct evidence that our expansin proteins are able to disrupt the hydrogen bonding between cell-wall polymers."

Dr. McQueen-Mason and Dr. Cosgrove plan to publish the results of more recent experiments on intact plant cell walls, which they say lend further support for their model of expansin action.

Because this research shows that expansins have a unique effect on coated commercial papers, Dr. Cosgrove said they may prove useful in paper processing and recycling.

This research was supported by grants from the National Science Foundation and the McKnight Foundation.

— Barbara K. Kennedy



## Obituaries

Floyd B. Fischer, vice president emeritus of Continuing Education, died Aug. 5. He was 78.

Mr. Fischer was a 1937 graduate of Penn State, earning a bachelor's degree in agriculture and biological chemistry. After working for four years in industry, he joined the University's Continuing Education staff as an assistant district representative under the engineering-science management degree training (later war training) program. He became associate director for administration in 1959 and director of Continuing Education in 1963. He was designated a vice president in 1971 and upon his retirement in 1979 he held the rank of vice president emeritus and professor of education emeritus.

During the 15 years of Mr. Fischer's administration, the Division of Continuing Education won more than 40 honors for outstanding and innovative programs. At the time of his retirement, the program had grown to include more than 125,000 students at 200 locations, and he was recognized nationally as a powerful spokesman for providing educational opportunities for all members of society through continuing education. Under his direction, the University's Continuing Education program received many honors and awards, including the top national award for the most innovative program in 1974, 1975 and 1977.

Mr. Fischer was instrumental in developing the Keller Conference Center (1964), which serves—in addition to hosting conferences—as statewide headquarters for the University's continuing education operations. He also played a key role in the development of the Penn State campuses at McKeesport, Scranton, Berks, York and New Kensington. Under his guidance, many new programs were initiated. Among these were the Pennsylvania Technical Assistance Program, a unique system of technology transfer to aid industries, public agencies and communities; a management development service; a coordinating council for continuing education in health care fields; educational services for diploma schools of nursing, and public television station WPSX-TV.

Mr. Fischer was active in leadership roles in numerous professional organizations, including the National University Extension Association, as president (1971-72); the Council on Extension, National Association of State Universities and Land-Grant Colleges; the Pennsylvania State Association for Adult Education; and the American Society of Engineering Education.

The author of articles on the subject of continuing education, he also was the recipient of numerous special awards and honors, including the Distinguished Service Award of the Pennsylvania Association for Adult Education; the honorary Doctor of Laws degree from Lycoming College; and the

National University Extension Association's highest honor for exceptional leadership.

In 1986, Mr. Fischer was named a member of the executive committee of the Campaign for Penn State, the six-year effort that raised \$352 million in private funds for academic programs. He also served as chairman of the Centre County region of the national campaign committee. He was a member of the PENNTAP Advisory Council and served for several years on the boards of C-COR Electronics Inc., Scientific Systems Inc. and the former United Federal Savings Bank.

Mr. Fischer was a member of the National Development Council, Penn State's highest volunteer advisory body. He and Mrs. Fischer, an alumna of the University's class of 1937, were members of the Mount Nittany Society, which recognizes the highest level of personal giving to Penn State. They also were life members of the University's Alumni Association and were members of the Nittany Lion Club Advisory Council's executive committee.

The Fischers were noted for their philanthropic activities at the University, including a major gift in 1987 to endow graduate fellowships in the Colleges of Engineering and Education, and an endowed scholarship fund in the College of the Liberal Arts. These included the Floyd B. Fischer Fellowship in Adult Education, and the Paul F. Anderson Fellowship in Electrical Engineering, named in honor of Naomi Fischer's father, a 1914 Penn State graduate in electrical engineering. The Naomi A. Fischer Scholarship in Liberal Arts aids capable undergraduate students who are committed to the field of adult education and who need help to attain either a master's or a doctoral degree.

Memorial contributions may be made to Floyd B. Fischer Graduate Fellowship in Adult Education in the College of Education, The Pennsylvania State University, University Park, PA 16802.

Gerald John Stout, retired professor of horticulture, died July 30. He was 93.

A graduate of Michigan State University with bachelor of science and master of science degrees in chemistry, plant physiology and horticulture, he received his Ph.D. in horticulture and soil physics from Ohio State University.

Dr. Stout taught for three years at the University of Massachusetts. From 1929 to 1947, he was an associate professor of horticultural manufactures at Penn State.

From 1947 to 1958, he served as associate professor and professor of horticulture and food technology at the University of Florida. He returned to Penn State in 1958 as a research associate for the Engineering Experiment Department. He retired in 1961.

## United Way Day of Caring set

University faculty and staff members have an opportunity to participate in the Centre County United Way Day of Caring on Tuesday, Sept. 13.

You can help kick off the 1994 Centre County United Way Campaign by volunteering a vacation day and your time to provide hands-on assistance to United Way agencies.

Projects for Penn States include:

● Red Cross, State College, conduct a mock disaster scenario.

● Strawberry Fields, State College, general landscape maintenance.

● Women's Resource Center, State College, water-proof fence and playground equipment; renovate garage for storage; general landscape maintenance.

● Voluntary Action Center, Penns Valley, variety of outdoor projects related to establishment of an environmental area.

● Hemlock Girl Scout Council, Camp Golden Pond, Petersburg, exterior and interior painting of camp buildings.

Project details and other information are available from Centre County United Way, 117 E. Beaver Ave., State College, PA 16801. Telephone 238-8283. Pre-sign-up is required.

### \* DAY OF CARING \*

TUESDAY, SEPT. 13, 1994

Name: \_\_\_\_\_

Department: \_\_\_\_\_

Campus Address: \_\_\_\_\_

Campus Phone: \_\_\_\_\_

Home Address: \_\_\_\_\_

Home Phone: \_\_\_\_\_

(Rank preference in projects from 1 to 5, with 1 being first choice.)

☐ Red Cross

☐ Strawberry Fields

☐ Women's Resource Center

☐ Voluntary Action Center

☐ Hemlock Girl Scout Council

Return this form by 5 p.m., Sept. 6 to:  
University Relations, 100 Old Main

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## PENNSTATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

September 8, 1994

Volume 24, Number 4

## Reopened Bookstore sports flexible design

Flexibility is the key to the new-look Penn State Bookstore on the University Park Campus.

"University bookstores cater to different clientele — students, faculty, alumni, parents — and they need flexibility to service them effectively," said Steve Falke, regional manager of the Penn State Bookstore System, now operated under a management services contract with Barnes & Noble.

"In redesigning the bookstore, with register stations throughout the store and the ability to change floor plans quickly, we think we have the needed flexibility both with our new facility and our staff."

The interior renovations to the bookstore were funded by Barnes & Noble, while a new entryway was completed using University Bookstores reserve funds.

According to Mr. Falke, one of the key elements of the renovations was to open to the bookstore to the "natural side of the University."

"The project enabled us to open onto the HUB lawn, providing an entryway onto the campus. We'll keep the existing north entryway and we expect to have students migrating through the building.

"But we will use and enhance the new entryway as we go along. The building has begged for an entryway here. It's a beautiful window to the campus."

Patrons entering the bookstore — through either entryway — will immediately be confronted with a different look.

"When we worked with the University on what the bookstore should be, a couple of issues were raised," Mr. Falke said. "The faculty, for example, felt that the old bookstore had been too cluttered with non-book items."

"Now, when you walk into the bookstore, you are confronted with books. That's an important part of what Penn State is. Other segments of the store are important, but the mission of Penn State is education. It's a critical part of the bookstore's image."

The new bookstore, designed along the lines of Barnes & Noble's "superstores," also features an extensive art and engineering supply department, that Mr. Falke believes is one of the best in the country; a New York Times and "new and notable" best sellers departments; a University authors section; a Penn State clothing area, and a new shipping, receiving and storage area in the basement.

"That warehouse part of the bookstore had been in a remote building," Mr. Falke noted. "Now that it is in-house we can stock more quickly and, again, be more flexible."

To introduce the University community to the new bookstore, a "Grand Re-opening Reception" will be held from 3 to 7 p.m. Friday, Sept. 9. The reception will feature



### Open for business

The University Bookstore at University Park has reopened with a new look that should provide better service to its customers. Here, customers use one of several new register stations located throughout the store. A "Grand Re-Opening Reception" is planned for Friday, Sept. 9 from 3 to 7 p.m.

Photo: Greg Grifeco

a Blue Band string quartet, refreshments from Housing and Food Services, and a ribbon-cutting ceremony at 4:30 p.m.

"We want people to see what we've done and reacquaint them with the bookstore and the staff," said Mr. Falke, who previously managed a university bookstore at the University of Colorado for Barnes & Noble.

"Much of the credit for our new operation goes to Tom Bauer, University Park Bookstore manager, and his staff. Most of the previous bookstore employees have joined Barnes & Noble and we're really excited about working with them. They have great experience and they're a great group of people."

## Awards go out for innovative teaching projects

Seven teaching projects, ranging from professional actor training to the cultures of Asia, and involving 36 faculty members, have been selected to receive support through the Provost's Awards for Collaborative Instruction and Curricular Innovation.

The program, now in its third year, is intended to recognize outstanding collaborative teaching efforts of faculty who also have demonstrated strengths as scholars and researchers. Focus is on faculty who as a group have developed innovative curricular or instructional techniques or made other significant contributions to undergraduate and graduate teaching.

The award consists of salary supplements in addition to those given through merit evaluation. Projects recognized were selected by an advisory committee of faculty and administrators from among those submitted by deans and campus executive officers this spring.

Collaborative projects receiving awards are:

### ■ MFA Professional Actor Training

Faculty work as a tag team on each student. Often they are in each other's classrooms, working with talent and force at a level unique in academic training programs. Each student receives six hours of acting studio weekly, supported by four or five hours of voice and movement. The team approach has created a group of students with a high level of confidence in their training and ability, eager for constructive criticism, and evolving as artists and people. College of Arts and Architecture faculty Michael Connolly, Manuel Duque, Barry Kur, Richard Nichols, and Jane Ridley.

### ■ Collaborative Instruction and Learning of Written and Oral Communication Skills in the College of Earth and Mineral Sciences

An existing thesis requirement in the Department of Geosciences has been used to construct a unique course offering that builds student expertise and confidence



## DIVERSITY

# New members join Committee on Lesbian, Gay and Bisexual Equity to improve climate

Thirteen new members have been appointed to the Committee on Lesbian, Gay & Bisexual Equity by Vice Provost for Educational Equity James R. Stewart.

The mission of the committee is to improve the climate for diversity within the University and to deal with issues affecting the welfare of the lesbian, gay and bisexual members of the University community.

New members are: **Natalie Croll**, assistant director, Health Promotion and Education; **Nancy Evans**, associate professor of education; **Baiba Briedis**, coordinator for grants and contracts, College of the Liberal Arts; **Marilyn Estridge**, assistant professor of exercise and sport science; and **Gary Fossme**, associate professor of human development and women's studies.

Also named: **Joseph Marchesani**, assistant professor, Penn State McKeesport; **Craig Millar**, associate vice president for student services; **Sue Rankin**, head coach, women's softball; **David Weidner**, instructor/facilitator, Team Decision Center, Continuing and Distance Education; **Dan Trevino**, assistant dean of minority affairs, College of Health and Human Development; and **Holly Bemiss** and **Josh Grinnell**, undergraduate students.

"As we look forward to the new academic year, we hope to continue the projects already in progress such as the development and distribution of a resource directory; movement toward the implementation of domestic partner benefits; the integration of gay, lesbian and bisexual scholarship into the curriculum; and the continuation of educational workshops at the campuses," said Anthony D'Augelli, professor of human development, and chair of the committee.

New projects for the committee include the implementation of the Lesbian, Gay and Bisexual Support Network. The network is an opportunity for members of the University community to visibly show their support for lesbian, gay and bisexual students, faculty and staff.

To initiate the activities for the academic year, the committee is co-hosting with the Office of the Vice Provost for Educational Equity and the Lesbian, Gay and Bisexual Graduate Student Coalition a Welcoming Reception for lesbian, gay and bisexual members of the University community and their allies. The reception will be from 5:30 to 7:30 p.m. Sept. 9, at the Littery Lion Inn.

For more information about the committee and its activities or about the reception, call the Office of the Vice Provost

## Gay/lesbian lecture series to open Sept. 15

The Contemporary Scholarship on Lesbian and Gay Lives lecture series begins its sixth season with a presentation by **James D. Woods**, writer and assistant professor of communications at the College of Staten Island, City University of New York. He will speak at 4 p.m. Thursday, Sept. 15, in the HUB Assembly Room.

As the opening lecture, Dr. Woods will speak on "Sexuality in the Workplace: Unique Dilemmas for Lesbian and Gay Professionals." All lectures in this series are open to the public.

Dr. Woods has contributed articles to the *Harvard Business Review*, *The Washington Post* and *New York Times*, among other publications, and is the author of *The Corporate Closet: The Professional Lives of Gay Men in America*, and currently is co-authoring the book *Human Sexuality: An Introduction*.

Other speakers in the series are: — **Robyn T. Ochs**, writer and co-founder of the Boston Bisexual Women's Network, at 4 p.m. Tuesday, Oct. 11, in the HUB Assembly Room.

— **Angela M. Pataffucci**, associate investigator, National Cancer Institute, at 4 p.m. Monday, Nov. 14, in 101 Agricultural Sciences Building.

— **Ceryl Dunne**, film and video performance artist of Philadelphia, at 4 p.m. Monday, Jan. 30. The location will be announced later.

— **William Leap**, professor of anthropology at American University, at 4 p.m. Thursday, Feb. 23, in the HUB Assembly Room.

— **Deborah Kass**, visual artist from New York, at 4 p.m. Monday, April 3, in the HUB Assembly Room.

— **Sara Lucia Hoagland**, professor of philosophy at Northeastern Illinois University, at 4 p.m. Tuesday, April 4, in the HUB Gallery Lounge.

The Contemporary Scholarship on Lesbian and Gay Lives is a lecture series sponsored by the Equal Opportunity Planning Committee and the Department of Human Development and Family Studies, coordinated by **Anthony R. D'Augelli**, professor of human development and family studies, and **Sallie McCorkle**, assistant professor of art in the School of Visual Arts. It is co-sponsored by the African/African American Studies Department, the Center for Women Students, the Paul Robeson Cultural Center, the School of Communications, the School of Visual Arts and the Women's Studies Program.

# Expanding the pipeline for women

Despite the fact that she was the first person ever to win two Nobel Prizes, one in physics and one in chemistry, scientist **Maria Curie** still was denied membership to the all-male French Académie des Sciences.

— **Ellen Swallow Richards**, a pioneer in environmental science and engineering, was denied an earned doctoral degree in chemistry from MIT.

— **Lillian Moller Gilbreth**, a pioneer in modern industrial engineering, received far less credit for her ground-breaking work in psychology and motion study than her husband, Frank.

Today's women scientists and engineers may have traveled slightly farther along the road than these pioneers, but the road remains rocky for women students, faculty and researchers. Penn State is addressing the issue by creating a University-wide program titled **Women in the Sciences and Engineering (WISE)** Institute.

"Nationally and at Penn State, women are still underrepresented in many scientific and technical fields," John Brighton, provost and executive vice president, said.

"Although women comprise 45 percent of the work force, only 16 percent are employed as scientists and engineers, according to 1990 National Science Foundation figures. And that 16 percent is concentrated in psychology, and the social and life sciences.

"The institute represents an innovative approach to cross-disciplinary interaction among engineers, humanists, scientists and social scientists with an interest in helping Penn State attain its goal of becoming a more diverse institution. The ultimate goal is to increase the number of women and improve the climate for women working in these fields."

The institute will coordinate existing and new activities for women in science and engineering and communicate



**WISE network**

WISE Network Executive Committee members (from l. r.): Sharon Luck, associate director, WISE Institute; Jean Landa Pyle, assistant dean for Student Services, College of Engineering; Londa Schiebinger, professor of history and women's studies; director, WISE Institute; Gabriella Varga, associate professor of animal science, and Mary Jane Irwin, professor of computer science and engineering, chair of WISE Network.

Photo: Greg Grieco

information throughout the University system. There already are several initiatives within individual University units to assist and enhance the recruitment and retention of women undergraduate and graduate students.

"We believe that WISE is unique nationally," Londa Schiebinger, director and professor of history and women's studies, said. "The institute combines research about and intervention programs for women in the sciences and engineering. Many colleges and universities have one or the other or both such programs, but they often are work-



## DIVERSITY

### New course to look at Mercer County's Black roots

The Penn State Shenango Campus is offering a new workshop this fall, "People in Search of Opportunity: The African-American Experience in Mercer County," on Tuesdays, Oct. 11 to Nov. 15.

The course, designed for teachers, youth advisers, tutors, activities coordinators, educators, and parents, will provide background material in preparation for discussion of the traveling historical exhibit featuring local African-Americans which will begin in the spring 1995.

The workshops span the local African-American experience from the early 19th century to the present through slide presentations, oral accounts, docu-

mentation and discussion. A few of the course discussions will include: "The Underground Railroad and the Abolitionist Movement," "The Black Family in Slavery and in Freedom," and "An Industrial Heritage."

The instructor, Roland C. Barksdale-Hall, head librarian at Penn State Shenango, is the national vice president of history for the Afro-American Historical and Genealogical Society (AAHGS) and executive director of Western Pennsylvania AAHGS.

Deadline for registration is Sept. 29. For more information, call the Continuing Education Office at 983-5840/5843 or 800-367-2211.

### Open forum on women's issues set for September

Penn State Harrisburg's Downtown Center is presenting an open forum on issues related to relationships between majority and minority women.

The forum, "Majority and Minority Women — Facing our Racial Differences Together," will be presented from noon to 1 p.m. Wednesday, Sept. 14, Tuesday, Sept. 20, and Tuesday, Sept. 27, at the

center, 234 N. Third St., Harrisburg.

Issues to be discussed include communication styles and differences in the life experiences of majority and minority women. Irene Baird, director of the Women's Enrichment Center, will serve as discussion leader.



**Cultural Assumptions that Underlie TQM in Japan and America — Part I**

Are the Japanese more likely than Americans to expect their meetings to begin and end on time?

How many American companies design employee TQM training curricula by age group and assume that people start at the beginning and will stay through all stages?

Are Japanese employers more likely than Americans to place greater importance on their relationships with their employees?

Many of the cultural assumptions that underlie total quality management in Japan and the United States are discussed in "Total Quality for Americans," by Elizabeth Holmes, in *Issues & Observations*, a quarterly publication of the Center for Creative Leadership. Dr. Holmes, a senior program associate in the Leadership Innovations Group at the center, notes four underlying assumptions that are the basis of TQM that she observed on a visit to Japan last year: precision, continuity, order, and relationship. None of these values, she argues, are primary for Americans in the way they are for the Japanese.

The Japanese commitment to continuity, for example, is striking. Quality and quality concepts are represented as a continuing process, from the concepts of Frederick Taylor, to quality control, to quality assurance, to zero defects, to total quality for customer satisfaction, to the current effort — called "total productivity movement" — aimed at preventing mistakes. When Americans, on the other hand, talk about managerial initiatives—such

as management by objectives, quality circles, or zero defects, to name just three — we tend to see them as temporary — a "flavor of the month." We view each one as a finite approach to management that either works or does not, and we do not consider them as additive, continuous improvement efforts to create a more effective organization over time. Similarly, the concept of a CQI curriculum extending over 27 years of a person's career would strike us as unrealistic. In Japan it is the reality.

As an example of the Japanese desire for order, Dr. Holmes states that as a guest in Japan she was always led to the seat farthest away from the door, so that when she rose to leave the hosts could arrive at the door first. Precision was demonstrated in the detailed itinerary that was prepared by her Japanese hosts. Every aspect of the visit, every person she was to see, and the precise manner in which she would travel, was arranged ahead of time for her. In America, such systematic, structured approaches, particularly around social behavior, feel too restrictive.

The Japanese place great importance on relationships, says Dr. Holmes. They feel that the employer-employee relationship should be long term, and they take great pains to maintain it. In the U.S., relationships are more transient. We are far more likely to change jobs and cities often. Japanese CEOs hesitate to hire someone who has had more than three jobs in his or her career. That would rule out the vast majority of our work force before they reach age 30.

**Next CQI Update:** If we are to create and sustain Continuous Quality Improvement in America, our challenge is to identify assumptions that hold a comparable place in our culture and that can be related to quality. In the Sept. 22 *Intercom*, the four suggested by Dr. Holmes will be identified and illustrated.

For more information, please contact the CQI Center, 863-8721; Louise Sandmeyer, executive director; Carol L. Everett, assistant director.

### WISE

continued from page 2

ing in isolation.

"In the research area, for example, one problem is that the humanists and social scientists are not talking to the professional women scientists and engineers who face subtle forms of discrimination on a daily basis. We hope that WISE will be able to stimulate dialogue between these two groups, providing more accurate information about persistent barriers and models for success."

"Intervention programs, such as junior high and high school science programs for girls, are prevalent at schools and universities, but we need more evaluation about their effectiveness," Sharon Jadrmak Luck, associate director of the institute, added.

"We want to find out what has been successful, what has made these efforts effective and integrate those factors into activities across the University."

Other goals for the institute include assisting and supporting efforts to recruit and retain women in faculty, staff and administrative positions, and identifying ways to create a more supportive climate across Penn State for women in science and engineering.

The idea for the institute emerged from an institutional action plan developed at the Committee on Institutional Cooperation (CIC) WISE Conference in 1992, which included Big 10 and other major research universities. Penn State's WISE institute will build on and expand the groundwork developed by the College of Engineering's Women in Engineering Program and will bring together the various women's activities sponsored by different departments and campuses across the University.

WISE has established a far-reaching organization encompassing students, faculty and staff representing science-based colleges and all campuses, and other academic, corporate, foundation and government representatives.

The steering committee includes deans of the Colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, and the Liberal Arts and the Eberly College of Science, and the vice provost for educational equity. Deans Gregory Geoffrey and Susan Welch serve as the initial co-chairs.

The WISE network, currently chaired by Mary Jane Irwin, consists of 65 members and 13 ex-officio members, who will serve as ambassadors to units across the University and who will be involved with WISE activities and issues. The network will meet once a semester, with Sept. 30 set for the fall 1994 meeting.

In addition to the college and campus representatives, membership will come from units such as The Hershey Medical Center, Computer and Information Systems, University Health Services, Department of Public Information, Undergraduate Admissions, and Continuing and Distance Education.

An advisory board will include academic, corporate, foundation and government representatives. The institute is supported by central University and college funds and will seek additional funds from national foundations, government agencies and corporations.

"Success in the sciences and engineering is not only a function of motivation and ability, but also is affected by the classroom, the workplace and the policies of an institution," Dr. Schiebinger said. "Scientists and engineers rely on teamwork, lab organization and interaction in order to do their work. Through the WISE Institute, we strive to ensure women's full participation in science and technical fields."

Dr. Schiebinger or Ms. Luck can be contacted at the WISE Institute, 510 Classroom Building, University Park, (814) 865-3342.

## LEADERSHIP PROFILE



Penn State Berks Campus CEO Frederick H. Gaige standing in front of an outdoor sculpture display on campus.

FROM THE DUSTY PLAINS OF NEPAL TO THE SHADED GREEN LAWNS OF THE PENN STATE BERKS CAMPUS IS QUITE A DISTANCE, BUT CEO FREDERICK H. GAIGE FINDS NO DIFFICULTIES IN TYING TOGETHER HIS EXPERIENCES IN THESE VERY DIFFERENT LOCALES.

"I have watched the process of nation building in Nepal for three decades, and I am fascinated by its similarities to institution building in this country," Dr. Gaige explains. "In both, leaders must be able to articulate a vision of the future as they seek to generate support from all of their constituents."

Dr. Gaige's visits to the Indian sub-continent began in 1961 when, having earned two degrees in history, a B.A. at Oberlin and an M.A.T. at Brown, he decided he wanted "a Peace Corps experience before there was a Peace Corps."

He spent two years at the University of Bombay, tutoring students in history, and then returned to the United States to earn his doctorate in South Asian Studies at the University of Pennsylvania in 1970. In 1966-68, he was awarded a Fulbright Fellowship to conduct research in Nepal.

One result of his studies was a book, *Regionalism and National Unity in Nepal*, published in 1975 by the University of California Press.

"The book was controversial in Nepal and India," Dr. Gaige says, "because in it I suggested that it was

important for Nepal's king to become more inclusive by bringing representatives of various ethnic groups, including immigrants from India, into his government.

"That didn't happen, and in 1990 there was a revolution. I was asked by the U.S. Embassy to visit Nepal and, with two other experts, to make a study of the underground political parties as they were emerging into the public light. The objective was to predict whether the Nepali Congress Party, a social democratic party, or the Communists would win the first national election in May 1991."

Because Dr. Gaige knew many local leaders from his earlier research, he was able to talk to candidates of every stripe and to attend political rallies throughout the plains region.

"After analyzing what we had heard and seen during our visit, we predicted that the Congress Party would win by a slim margin, and it did. Now the King is only a figurehead, and the United States is trying to support the new Nepalese government as it struggles to become more inclusive of the country's diverse racial, religious and linguistic groups and to preserve the newly created democratic institutions."

Dr. Gaige's overview of this process of nation building has, he believes, provided him with valuable lessons for his stewardship at Berks.

"Each Penn State campus," he explains, "has a number of constituencies that need to be given an opportunity for participation in creat-

## FREDERICK H. GAIGE

### INCLUSIVENESS IS CRITICAL TO BUILDING A STRONG INSTITUTION

"THE LOCAL COMMUNITY HAS GIVEN THE CAMPUS MORE THAN \$15 MILLION ... AND HAS AGREED TO HELP US RAISE ANOTHER \$10 MILLION OVER THE NEXT EIGHT YEARS."

ing the campus community. There are students, faculty, community leaders, alumni, and University Park administrators. These groups are also divided into sub-constituencies, and the challenge lies in bringing them together in an institution-building process.

"My goal is for all constituencies to continue to refine a vision for Berks that goes well beyond a three-year strategic plan. We should think about the role of the campus as a unique and distinguished part of the University in the 21st century."

Dr. Gaige suggests a number of factors that make Berks a special place. The campus, he points out, has had eight years of steady enrollment increases, and during the past six years, its land area and buildings have increased by about 40 percent. A residential campus, it is strategically located near the burgeoning populations of southeastern Pennsylvania and its adjoining states.

"The campus is very much a product of private philanthropy," Dr. Gaige emphasizes. "The local community has given the campus more than \$15,000,000 in land, buildings and cash gifts since the late 1960s and has agreed to help us raise another \$10,000,000, mostly in endowments, over the next eight years."

"In turn, we offer programs of cultural enrichment to the people of Reading and its surrounding areas, along, of course, with academic programs and services geared to the region's particular economic needs, perhaps most notably in engineering technology and agriculture."

A visitor to the campus is immediately struck by a display of contemporary sculpture set among carefully tended flower beds and wooded walks. This is the sixth year that Berks has sponsored the exhibit dur-

ing the summer and autumn months. A campus art gallery offers rotating shows, while the Berks Summer Theater is celebrating its twenty-first year with four productions.

Berks came into being in 1958 as a Penn State Center in Wyomissing, occupying facilities formerly used by its predecessor, the Wyomissing Polytechnic Institute. In 1972, it moved to its present site in Spring Township and officially became a campus.

The campus's new location provided it with 106 acres of rolling Pennsylvania Dutch farm land and woods, and the master plan that was prepared protected this habitat. Attractively designed buildings accentuate the natural open spaces.

"When prospective students and their parents visit and encounter the beautiful physical environment," Dr. Gaige says, "they tend to assume that the people here care in the same way about students."

"And they are exactly right. Our faculty and staff work extremely hard to make Berks a welcoming and stimulating place in which to learn."

Dr. Gaige has been at his post since 1984, having previously served as dean of the College of Arts and Sciences at the Madison Campus of Fairleigh Dickinson University. His wife, Austra, is a psychotherapist in private practice.

They have two daughters, Marina, a graduate of Oberlin, currently working at WOR Radio in New York, and Amity, a senior at Brown, doing honors in creative writing.



## A new view



The new entryway of the University Bookstore on the University Park Campus was designed to open the bookstore to the "natural side of the University," onto the HUB lawn. Both interior and exterior renovations were completed in time for the return of students and faculty.

Photo: Greg Grieco

## Faculty/Staff Alert

The Recreational Sports Fitness Program presents the faculty/staff fitness class schedule for fall semester 1994. The program officially began Sept. 7 and ends Dec. 9. However participants may register at any time during the semester.

CLASS	DAYS	TIME	LOCATION	FEE
Aquaize	M W F	12:10-12:50 p.m.	White Bldg.	\$35.00
	M W F	5:30-6:30 p.m.	Naturatorum	\$40.00
	T R	5:25-6:25 p.m.	White Bldg.	\$35.00
Steppin' Low (A low impact step aerobic class)	M W F	2:10-12:50 p.m.	IM Bldg.	\$30.00
	T R	5:30-6:30 p.m.	White Bldg.	\$35.00
Steppin' Hilo (A hilo impact step aerobic class)	M W F	12:10-12:50 p.m.	White Bldg.	\$30.00
	T R	5:30-6:30 p.m.	White Bldg.	\$35.00
Interval Step (Intervals of step and muscle conditioning)	M W F	5:30-6:30 p.m.	White Bldg.	\$40.00
Bench Bound (A step class)	M W F	5:20-6:35 p.m.	IM Bldg.	\$45.00
Shape Up (An aerobics class)	M W F	12:10-12:50 p.m.	White Bldg.	\$30.00
	M W F	12:10-12:50 p.m.	Rec Hall	\$30.00
	M W F	5:20-6:20 p.m.	IM Bldg.	\$35.00
Advanced Shape Up	M W F	12:10-12:50 p.m.	IM Bldg.	\$30.00
Fitness Over 40	M W F	5:30-6:30 p.m.	White Bldg.	\$35.00
Country Line Dance/ize	T R	12:15-12:45 p.m.	White Bldg.	\$20.00
Wake-Up Wellness	MTWRF	6:30-7:30 a.m.	Rec Hall	\$60-3 mos., \$110-6 mos., \$200-12 mos.
Muscle Conditioning (Upper & lower body)	T R	12:10-12:50 p.m.	IM Bldg.	\$20.00
Going South (Lower body muscle defining)	M W F	12:10-12:50 p.m.	Rec Hall	\$30.00
	T R	12:10-12:50 p.m.	White Bldg.	\$20.00
Weight RM Orientation	By appt.	Any day, any time	IM, Rec, White	\$10.00

If you wish to register for any fitness classes, or have any questions, please contact the Rec Sports Office Monday through Friday, 8:30 a.m.-4:30 p.m., 2 Intramural Bldg., 865-5401.

## Teaching

continued from page 1

in their ability to communicate research results in an effective and professional manner. By incorporating peer review, training in computer text and graphic processing, and the videotaping of oral presentations, the course goes far beyond the normal content of writing-intensive classes. Faculty members Shelton Alexander, Albert Guber, and Joseph Schall.

### ■ Geography 500 — Introduction to Geographic Research

The revised Geography 500 provides a common basis for discussion in a diverse discipline characterized by many widely different subfields. The sequence of seminars goes beyond providing a simple history of the discipline and an overview of current thinking. It results in a more cohesive cohort of incoming students; fosters a greater spirit of collaboration and collegiality; encourages students to move ahead more rapidly in the development of research proposals, and provides the skills and confidence necessary for the public pre presentation College of Earth and Mineral Sciences faculty Robert Crane, Rodney Erickson, Diana Liverman, Deryck Holdsworth, Peirce Lewis, and Alan Taylor.

### ■ Revision of Sociology 400 W-Capstone Course

Students in this revised course apply sociological knowledge and theory from their previous work to the development of researchable questions. They then carry out a major research project, using appropriate national survey data to address these questions, and then write a research report. The course also contains a professional development unit focusing on various career options open to young sociologists. College of the Liberal Arts faculty Gordon DeJong, Lauri Perman, and Alan Sica.

### ■ Computer Aided Design Curriculum to Enhance Visualization and Integrate Analysis

This collaborative project introduced solid modeling concepts and development course materials to encourage student design ideas. Workshops informed other faculty and teaching assistants with the new solid modeling tools. Students said that the new modeling curriculum helped them to visualize objects. In addition, the results suggest that the solid modeling curriculum is effective in closing the gender gap in spatial visualization skills. College of Engineering faculty Renata Engel, M. Nabil Kallas, and Dhushy Sathianathan.

### ■ Program in Special Education

The faculty undertook a major revision of the Program in Special Education. The revised undergraduate program has more simulations and projects that prepare students to do what practicing teachers should do. There is more structured and systematic experience with children with disabilities prior to student teaching. The effect of blending didactic instruction and practice throughout the curriculum has led to more successful experiences in student teaching and professional teaching. College of Education faculty Rosalie Boone, Anna Gajjar, Charles Hughes, John Neisworth, Kathy Ruhl, and John Salvia.

### ■ Cultures of Asia

Twelve academic courses were central to the program, coupled with exhibits, topical seminars, film, lecture and art series, and various festivals, performances, and field trips scheduled throughout the semester. The desire to achieve greater student learning through involvement in interdisciplinary study and cultural diversity provided the impetus. By linking the courses around Asian topics and themes, and by linking the courses to a full schedule of cocurricular events and activities, a coherent and dynamic curriculum was the result. Penn State Delaware County Campus faculty Janet Alward, Richard Barrett, Elizabeth Buckmaster, Phyllis Cole, Mary Gergen, Robert Ginsberg, Carol Kessler, Constance Kirker, and Wayne McCullen.

## CARPOOLER

Washington, DC/State College. Weekend round trips either way. Pay or share. Call Richard Devon at 863-7687.



# LECTURES

## Nutrition scientist to lecture Oct. 10; research symposium scheduled Oct. 11

The Department of Anthropology announces the sixth Paul T. Baker Lecture, "Social Environment, Behavior and Health," by Nevin S. Scrimshaw of The United Nations University.

Dr. Scrimshaw, a leading investigator of food and nutrition science and policy and a member of The United States National Academy of Science, will speak at 4 p.m. Monday, Oct. 10, in 101 Kern Building at University Park.

On Tuesday, Oct. 11, at 10 a.m. in

107 Carpenter, a symposium on current research in human biology will be held for graduate students. Students will present 10-15 minute papers on their research.

This session is open to students from any department at Penn State as well as students from other universities. Abstracts of no more than 300 words must be submitted to Kenneth Weiss at 409 Carpenter by Sept. 10. For more information, call 865-2509.

## Earth and Mineral Sciences

## Two Alumni Fellows to visit University Park Sept. 16

Two College of Earth and Mineral Sciences alumni will visit University Park Friday, Sept. 16, to meet with faculty members and students and receive the Alumni Fellow Award at the college's annual Obelisk Dinner.

They are David W. Johnson Jr., head of the Metallurgy and Ceramics Research Department at AT&T Bell Laboratories, and Pertti Voutilainen, chairman and CEO of Kansalliskeskus-Osake-Pankki, Finland's largest bank.

The Alumni Fellow Award, sponsored by the Penn State Alumni Association, is the most prestigious of the association's awards. It is administered in cooperation with the colleges. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Dr. Johnson received two degrees in ceramic science from Penn State: B.S. in 1964 and Ph.D. in 1968. He has been with Bell Laboratories throughout his career, assuming his current position in 1988. In recent years, his research activities have focused on the fabrication and processing of spinel ferrites, the synthesis and fabrication of high Tc oxide superconductors, and the sol-gel processing of glass and ceramics. He is author of more than 120 publications and holds 16 patents.

His honors include the Ross Coffin Purdy Award for the best paper in ceramic literature (1978), the Fulbright Award of the American Ceramic Society, and the Taylor Lecture Award of the College of Earth and Mineral Sciences. He is also an elected member of the National Academy of Engineering.

Dr. Johnson has been active in the American Ceramic Society since his student days, and in April 1994 he was president of the society, succeeding Richard E. Trester, head of Penn State's Department of Materials Science and Engineering. Some of Dr. Johnson's duties while on campus will be associated with his role as ACerS president: he will meet students in the

Penn State ceramics program and present a keynote address to the Pennsylvania Ceramic Association, which is concurrently holding its annual meeting at the Penn State location.

Mr. Voutilainen received a master of engineering degree in mineral engineering management from Penn State in 1971. He also holds an M.Eng. in mining from the Helsinki University of Technology and M.Sc. in economics and business administration from the Helsinki School of Economics. For most of his career he has been associated with the international mining, refining, and smelting company Outokumpu Oy, which he joined in 1964 and headed as president from 1980-91 and chairman of the executive board from 1983-1991.

Under his leadership, Outokumpu flourished, expanding its interests in extractive technology and mineral processing equipment, and establishing a number of mining and metallurgical partnerships around the world.

In 1992, Mr. Voutilainen was named chairman and chief executive officer of Kansalliskeskus-Osake-Pankki, an international bank with headquarters in Helsinki and a range of overseas branches and affiliates. He also serves as chairman of the board for the Centre for Finnish Business and Policy Studies and of the Finnish Section of the International Chamber of Commerce. He is a member of the board of the Finnish Banker's Association and the Central Chamber of Commerce of Finland, a member of the council of the Finnish-Swedish Chamber of Commerce, and a member of the supervisory board of the Helsinki Stock Exchange Cooperative Society.

During their visit, the EM&S Alumni Fellows will spend considerable time with undergraduates and graduate students, discussing professional career opportunities and employment trends.

## Internet information seminars slated for fall to help users

Would you like to know more about the Internet? Are you interested in consulting other library catalogs across the world, participating in international online conferences, collaborating with other faculty and colleagues internationally, browsing and possibly retrieving free software, or examining electronic texts, databases and journals? Then you will want to attend Internet seminars offered by the University Libraries and the Center for Academic Computing this fall.

The Internet is a network of computers around the world including both mainframes and microcomputers. This wide-ranging network is changing fast and is the current foundation for the information superhighway.

The InterNexus seminar is designed to give you a few of the basic concepts and skills you will need to successfully navigate the Internet. Registration is not required for the basic InterNexus seminar. Times and dates are listed below, and walk-in participants are welcome.

InterNexus: Sept. 8, 13; Oct. 3, 11; Nov. 3, 7; 6:30-9 p.m., 102 Classroom Building. (Registration is not required.)

Once you have attended the InterNexus seminar, other more advanced seminars are available. Participation in these seminars requires some basic knowledge of the Internet. These advanced seminars are listed below, and registration is required. To register contact Joyce Combs at (814) 863-0325 or by electronic mail at jsc@spias.psu.edu.

Using Gopher to Borrow through the Internet: Sept. 15, 19; Oct. 5, 13; Nov. 8, 16; 6:30-7:30 p.m., 102 Classroom Building.

Introduction to Computer Conferencing: Sept. 16; Nov. 9; 10 a.m.-noon, 141 Computer Building.

Introduction to the World Wide Web: Sept. 20; Nov. 17; 6:30 to 8:30 p.m., 141 Computer Building.

File Transfer with FTP: Oct. 3 (IBM Version); Oct. 14 (MAC Version); 9 to 11 a.m., 141 Computer Building.

- **AUTOMATIC CLAIM FILING WITH NO ACTION REQUIRED BY THE PARTICIPANT** - Prescription drugs are covered at 80 percent under the Major Medical portion of both Healthpass and Plan A after the deductible has been satisfied. When the NPAY card is used, a claim for those prescription drugs is filed automatically on behalf of the member to HealthAmerica. HealthAmerica will credit those amounts toward the deductible or provide a reimbursement check if the deductible already has been satisfied. If prescriptions were purchased using the NPAY card, it is not necessary to file a claim with HealthAmerica for those purchases.

Faculty and staff members who elect the HealthAmerica HMO with the Penn State Maintenance Prescription Drug Plan (MPDP) also receive an NPAY card. While the use of the card does entitle members to the discounts, there is no reimbursement to members for those prescription expenses.

The NPAY network is extensive; however, faculty and staff should verify in advance whether a pharmacy will accept the NPAY card. Additional questions regarding NPAY should be directed to HealthAmerica Member Services.

## EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

### NPAY prescription cards

Faculty and staff members who are enrolled in either Healthpass or Plan A receive an NPAY prescription card. While the use of the card is voluntary, many Healthpass and Plan A participants have recognized the advantages of its use.

There are two primary benefits to using the card when purchasing prescription drugs:

- **DISCOUNTS** - The NPAY card provides a discount on the prescription being filled. This discount is a savings to both the participant and the University.

## Inquirer reporter to undertake Fellowship

Terry Bitman, a columnist and reporter with *The Philadelphia Inquirer*, has been chosen in the Professional-in-Residence Fellowship Program co-sponsored by the School of Communications and *The Philadelphia Inquirer*.

Beginning its second year, this program brings professional journalists to the University Park Campus to take several classes to enhance their skills, speak in journalism classes, work with faculty on special projects, and meet with students to discuss career counseling and interviewing techniques.

Mr. Bitman, a 25-year veteran at the *Inquirer*, has been writing a daily "Going Out" column that highlights nightlife in the city, as well as occasional feature articles. He started at the newspaper in 1969 and has worked as both reporter and editor. He has reported on politics, education, the courts and state government. As an editor, he has had many responsibilities, including supervising the night regional desk, the weekend city desk and the New Jersey Neighbors operation. He also has taught journalism classes for four years at Glassboro State College.

# President Clinton taps two Penn Staters to fill science posts

President Clinton has nominated Penn State Distinguished Alumnus Warren M. Washington to the National Science Board (NSB) for a six-year term, ending in the year 2000.

NSB assists the president and Congress in establishing national strategies on science, engineering, and education, and formulating policies for the National Science Foundation.

Dr. Washington is director of the Climate and Global Dynamics Division of the National Center for Atmospheric Research (NCAR) in Boulder, Co. After finishing his doctorate in meteorology at Penn State in 1964, he joined NCAR as a research scientist. His areas of expertise include atmospheric science and climate research; he specializes in computer modeling of the earth's climate.

A prolific writer, he has published more than 100 papers in scientific and professional journals. His book, *An Introduction to Three Dimensional Climate Modeling*, co-authored by Claire Parkinson of NASA, is a standard text on climate modeling.

Dr. Washington consults with and advises government officials and committees on climate-system modeling. For six years he served on the President's National Advisory Committee on Oceans and Atmosphere. He chaired the National Research Council's Advisory Panel for "Climate Puzzle," a film for the 1986 PBS series, *Planet Earth*.

He is a fellow and president of the 11,000-member American Meteorological Society, and is on the Modernization Transition Committee of the U.S. National Weather Service. He is the founder and president of the Black Environmental Science Trust (BEST), a nonprofit foundation trying to increase the number of African American environmental scientists.



Warren M. Washington

Penn State alumna Shirley M. Malcolm has been selected by President Clinton as a member of the newly formed, private-sector based President's Committee of Advisors on Science and Technology (PCAST).

The 16-member committee includes representatives from industry, educational and research institutions such as Hewlett-Packard Co., Martin Marietta Corporation and the Massachusetts Institute of Technology (MIT).

PCAST will advise President Clinton on major science and technology issues and guide federal investments in science and technology toward national goals. The committee also will channel private sector advice to the cabinet-level National Science and Technology Council.

Dr. Malcolm received her doctorate from Penn State in ecology and currently heads the Directorate for Education and Human Resources Programs of the American Association for the Advancement of Science (AAAS). She admires programs charged with increasing the number of minorities, women and people with disabilities in the sciences. She also headed the AAAS Office of Opportunities in Science for 10 years, and was a program officer for the Minority Institutions Science Improvement Program Directorate of the National Science Foundation (NSF).

From her days as a high school science teacher through her tenure as an assistant professor of biology at the University of North Carolina-Wilmington to her present position, Dr. Malcolm has been concerned about the dearth of women, especially women of color, in the sciences. A native of Birmingham, Ala., she has written a number of books, including *The Double Blind: The Price of Being a Minority Woman in Science*, with Paula Quick and Janet Welsh Brown.

Dr. Malcolm is a member of the Minority Advisory Committee for the Eberly College of Science, that is trying to increase diversity in the college. She has been nationally recognized for trying to improve the education of minority youth, especially by involving community organizations and parents in the educational reform movement at the grass-roots level.

She is on the Educational Advisory Council of the Carnegie Corporation of New York and is a member of the board of the National Center on Education and the Economy. She also is a member of the Smithsonian Advisory Council.



Shirley M. Malcolm

## Nominations sought for faculty/staff awards; President Thomas to appoint committee

President Thomas will appoint a general committee chaired by Billie S. Willis, assistant vice president for human resources, to solicit nominations for the Faculty/Staff Achievement Awards—the McKay Donkin Award, the Administrative Excellence Award, the Staff Excellence Award, the Barash Award for Human Services, and the Penn State Equal Opportunity Award.

Five subcommittees will screen nominations and develop recommendations for the respective awards.

Nominations for the 1995 awards are encouraged from University and local community organizations and individuals. Nominators should contact the Office of Human Resources at 863-4215 to request a copy of a standardized form for submitting nominations. Nominations should be sent to Billie S. Willis, Box 6, Rider Building, no later than Wednesday, Dec. 14. Supporting information which companies nominate should be as brief as possible.

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend, is presented to the full-time faculty or staff member or retiree who has contributed most to the "economic, physical, mental, or social welfare of the faculty" of the University. The contri-

bution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties.

The Staff Administrative Excellence Award carries a stipend of \$300. The award is made to a member of the staff of the University whose performance, methods, and achievements exemplify administrative excellence. Important criteria considered in the evaluation of nominees include total experience in administrative position, accumulative levels of responsibility and authority, years of service at the University and in present position, and impact on own organization and on the University in general.

The Staff Excellence Award, established in 1993, carries a stipend of \$500. The award is made annually to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit, managerial excellence, and provided leadership in establishing a quality service orientation in the performance of assigned duties. To be eligible for the award, full-time staff must have at least five years of University service.

The Barash Award for Human Services was created in 1975 by the family of the late Sy Barash. It is an annual award to a full-time member of the faculty, staff or student body of the University at University Park who has con-

tributed most, apart from regular duties, to human causes, public service activities, and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the Borough of State College, College, Patton, Harris, or Ferguson townships. The award carries a stipend of \$1,000.

The Equal Opportunity Award is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding. To be eligible for this award, full-time faculty or staff must have at least two years of active University service.

The award, consisting of a \$1,500 stipend, is given in recognition of meeting one or more of the following criteria: demonstrated commitment to the spirit of equal opportunity through affirmative action; demonstrated leadership in the elimination of discrimination through encouragement of understanding between persons of different races, sexes, age groups, sexual orientation, ethnicity, or religious heritage; demonstrated commitment to meeting the special needs of students, faculty, or staff who are members of traditionally underrepresented groups.

Early submission of nomination forms is encouraged.

## Ag professor granted Fulbright for 1994-95 year

Arlen Etling, associate professor of agricultural and extension education in the College of Agricultural Sciences, has received a Fulbright Scholarship to work in Mexico during the 1994-95 academic year.

He will teach courses to enhance the skills and knowledge of volunteer educators working in programs to strengthen Mexican communities.

"My interest in the Mexican culture and my work with Mexican universities over the past 24 years has led me to this point," Dr. Etling said. "Through those contacts I've identified the need and opportunity to build models for strengthening education outside the classroom."

Dr. Etling has taught workshops on leadership and organizational development to 4-H volunteers in Durango, Mexico. Since 1987, he has developed curricula for Spanish-speaking extension educators. In 1990 he received a W.K. Kellogg Foundation grant to collaborate with Mexican communities on youth-development projects.



# The Arts

AT PENN STATE

## Organ recital

June Miller, associate professor of music, will present an organ recital at 8 p.m. Monday, Sept. 12, in the School of Music Recital Hall on the University Park Campus.

The program will begin with selections from the 18th century composers F. Couperin, Balbastre, and J. S. Bach, and will include music by French, German, English and American composers. Music by Widor and Howells will be followed by selections from 20th century American composers. Ms. Miller will play Libby Larson's "Sonata in One Movement on 'Kalendar Maya'" and two works by composer Frank Speller. She will conclude the performance with "Everyone Dance," the final movement from native Pennsylvanian Calvin Hampton's "Five Dances for Organ."

The recital is free to the public.

## Wind Quintet

The Laureate Wind Quintet will present a recital at 8 p.m. Tuesday, Sept. 13, in the School of Music Recital Hall on the University Park Campus.

The Laureate Wind Quintet is composed of faculty members from the West Virginia University School of Music. Members include Joyce Catalano, flute; Cynthia Anderson, oboe; John Weigand, clarinet; Terry Ewell, bassoon; and Virginia Thompson, horn.

The program will feature Anton Reicha's "Wind Quintet, Op. 88, No. 5," "Opus Zoo" by Luciano Berio and "Quintet for Winds" by John Harbison.

The concert is free to the public.

## Castalia Trio

The Castalia Trio will present a concert at 8 p.m. Wednesday, Sept. 14, in the School of Music Recital Hall on the University Park Campus.

The concert will feature the music of Beethoven, Muczynski and Arensky. It is the same program that the trio will perform in Europe in October.

The Castalia Trio unites Marylene Dosse, pianist; James Lyon, violinist; and Kim Cook, cellist. All three musicians are members of the College of Arts and Architecture School of Music faculty.

The concert is free to the public.

## Bach's Lunch

Saxophonia, a saxophone quartet, will open the 1994-95 Bach's Lunch series at 12:10 p.m. Thursday, Sept. 15, in the Eisenhower Chapel on the University Park Campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and University Lutheran Parish.

Saxophonia comprises Dan Yoder, a member of the School of Music faculty, soprano saxophone; Eric Hartranft, a graduate teaching assistant in the School of Music, alto saxophone; Rich Nasto, a junior in the School of Music, tenor saxophone; and Andrew Davis, a senior in the School of Music, baritone saxophone. The performance will include an arrangement of J.S. Bach's "Tocatta and Fugue in D Minor." Saxophonia will perform in concert this fall on several commonwealth campuses. In the spring the quartet plans record performances for a compact disc.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided.

The concert is free to the public.

## Drama classes

The College of Arts and Architecture Department of Theatre Arts announces fall registration for children's drama classes to be held at the Paul Robeson Cultural Center on the University Park Campus.

MetaStages Theatre Center, an outreach program of the theatre department, offers classes after school and on Saturday for children grades K-12. Weekly sessions begin Sept. 19, 1994.

Children receive performance training from professionals in acting, voice, movement, mime and masks as they rehearse and perform folk plays from various countries. Classes culminate with an afternoon of final performances on Saturday, Nov. 19.

Class size is limited. For more information contact John Leonard, MetaStages director, at 867-8590.

## Brass quintet

The country's longest continuously performing brass quintet, the American Brass Quintet, will perform at 8 p.m. Friday, Sept. 23, in Eisenhower Auditorium on the University Park Campus. The concert opens the Center for the Performing Arts 1994-95 season.

Ranging from Italian Renaissance pieces through early Baroque compositions, the program will feature work from the Elizabethan period of the 17th century and from the German sonatas of the Baroque era as well as selections from Bach, later works by Brahms, and other Bach-influenced compositions.

Current members of the quintet include trumpeters Raymond Mase and Chris Gekker, horn player David Wakefield, trombonist Michael Powell and bass trombonist John D. Rojak.

For ticket information, call the Eisenhower Auditorium Ticket center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday at (814) 863-0255.

## Student drawings

Seven architecture students will exhibit a collection of their work titled "Scapes: Student Drawing Exhibition" through the fall semester in Room 206 Engineering Unit C of the architecture gallery on the University Park Campus.

The students whose work will be displayed in the exhibit are Penny Benish, Michael DeBodas, David Teufel, Michael O'Boyle, Nasreen Mursi, Vicki Steppeler and Sherri Harvey.

The drawings were prepared last spring semester in the ARCH 20B visual communication course taught by Richard Alden, assistant professor of architecture.

## Odyssey on WPSU

Literacy is more than just the ability to read printed texts, argues Kim Spanos-Telsing, a doctoral candidate in the Department of Curriculum and Instruction, on the next episode of Odyssey Through Literature. Storytelling, she believes, is a therapeutic device which can create a communal bond within society.

With host Leonard Rubinstein, Ms. Telsing discusses the lack of creative stimulus in our educational institutions today and why such alternatives are necessary.

Odyssey Through Literature is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Exhibit at Ogontz Campus

Work by award-winning photographer Lita Linzer Schwartz is on exhibit at the Woodland Library at the Penn State Ogontz Campus until Sept. 19.

"Aspects of the Southwest" features her color photographs from the Southwestern part of America.

Dr. Schwartz, distinguished professor of educational psychology at Penn State Ogontz, recently won a first-place award for color photography from the Cheltenham Center Camera Club.

## PROMOTIONS

### Staff

Jacqueline K. Babcock, manager, Financial Administration, in Corporate Controller's Office.

Lori L. Boney, coordinator, Prospect Management, in Division of Development and University Relations.

Anne M. Besch, staff assistant VI in Computer and Information Systems-Telecommunications.

Susan J. Bracken, administrative assistant I in College of the Liberal Arts.

Karen L. Brewster, staff assistant VII in Eberly College of Science.

Laura C. Contino, assistant director and manager, University Editor System, in Continuing Education.

Leslie M. Cregger, coordinator, Farm and Greenhouse Operations, in College of Agricultural Sciences.

Sharon L. Daugherty, staff assistant VI in Computer and Information Systems-Telecommunications.

Gwendolyn Dunn, program assistant in College of the Liberal Arts.

Michelle A. Ebersole, system planning specialist I at Hershey Medical Center.

Mary C. Fleming, program coordinator IV in Eberly College of Science.

Lori R. Holderman, assistant to the Financial Officer I in the Office of the President.

Joseph C. Holobar, library supervisor I in University Libraries.

Jana Lebedizki, research support technician III in College of Engineering.

Joy L. Lose, staff assistant VII in College of Health and Human Development.

Patricia H. McCartney, assistant to the Financial Officer I in Division of Development and University Relations.

Cathy A. McMurtrie, staff assistant VII in Continuing Education.

Ann M. Miller, staff assistant VI in College of Agricultural Sciences.

Donald W. Moore, staff assistant VII in Computer and Information Systems-Telecommunications.

Catherine P. Murgas, editorial assistant in Continuing Education.

Karin H. Weaver, administrative assistant III in College of the Liberal Arts.

Amy S. Weikel, coordinator, Executive Health Assessment Program, at Hershey Medical Center.

## Technical Service

Sharon L. Costigan, food preparer A in Housing and Food Services.

Michael T. Hill, equipment operator in Office of Physical Plant.

Fayth A. Hoover, dining hall worker A in Housing and Food Services.

Robert W. Irvin, food preparer A in Housing and Food Services.

Gerald R. Lucas, maintenance worker-Asbestos Removal, in Office of Physical Plant.

Michael L. May, maintenance worker, Utility, in Office of Physical Plant.

Bryan J. Moriarty, dining hall worker A, in Housing and Food Services.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, September 8

University Libraries, 6:30-9 p.m., 102 Classroom Bldg. The InterNexus seminar designed to give a few of the basic concepts and skills needed to navigate Internet. Registration not required. Also Sept. 13.

### Friday, September 9

A full-scale driving simulator called RealDrive on exhibit, 8 a.m.-5 p.m., parking lot of the Pennsylvania Transportation Institute. Through Sept. 10.

Gallery Talk, 11:30 a.m., Christofers Lobby, Palmer Museum. Jennifer Olson on "Félix Valotton's Graphic Work."

Grand Re-Opening Reception for the newly renovated Bookstore, 3-7 p.m., The Bookstore Bldg.

■ Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Maco Diley on "What is USAID Doing About Famine?"

School of Music, 8 p.m., Recital Hall. Jury Recognition Recital.

### Saturday, September 10

Gallery Talk, 11:30 p.m., Christofers Lobby, Palmer Museum. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

### Monday, September 12

Adult Learner Services, noon, 329 Boucke Bldg. Jim Fay on "Money Management/Budgeting."

Alternative Library, noon, 130 Willard Bldg. Nancy Spear and Kathy Frank on "The Peace Exhibit: Meet the Artists."

School of Music, 8 p.m., Recital Hall. June Miller, organ.

### Tuesday, September 13

Center for Adult Learner Services, noon, 329 Boucke Bldg. Ann McLaren presents a program on "Strategies for Academic Success."

For more information call 863-3887. School of Music, 8 p.m., Recital Hall. Laureate Wind Quintet—West Virginia University.

### Wednesday, September 14

Peace and Conflict Studies Minor will convene a council of all beings, 7 p.m., Main Lounge, Eisenhower Chapel. For more information about participation call, 865-9951 or 238-5164.

School of Music, 8 p.m., Recital Hall. Castalia Trio.

### Thursday, September 15

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Saxophobes, a saxophone quartet.

University Libraries, 6:30-7:30 p.m., 102 Classroom Bldg. Using Gopher to Borrow through the Internet. Advance knowledge of Internet needed. Registration required. Call Joyce Combs, 863-0325. Also Sept. 19.

### Friday, September 16

University Libraries, 10 a.m.-noon, 141 Computer Bldg. Introduction to Computer Conferencing. Advance knowledge of Internet needed. Registration required. Call Joyce

Combs, 863-0325.

Palmer Museum Lecture, 1:30 p.m., Palmer Lupton Auditorium. Patrick McGrady on "French Impressionism: The Early Years."

Gallery Talk, 2:45 p.m., Palmer Christofers Lobby. Debra Greenleaf on "Classicism, Impressionism, and postmodernism: Ancient Art at the Palmer Museum."

■ Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Malcolm Lupton on "Toward a Post-Apartheid Urban Order: Reconstructing Local Government in the Johannesburg Metropolitan Region, South Africa."

Fresh Air with Terry Gross, Mon.-Fri., 4-5 p.m. "Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m. "Car Talk," Fri., 7 p.m. and Sun., 6 p.m. "Living On Earth," Mon., 7 p.m. "Piano Jazz with Marion McPartland," Mon., 8 p.m. "Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

### Thursday, September 8

Ceramic Science, 11 a.m., 301 Steidle. Daryl Butt on "Vaporization Behavior and Laser Diagnostics of Transition Metal Refractory Carbides."

University Libraries Seminar, 1 p.m., Tower Room 402, Central Pattee Library. Penn State Libraries Catalog in LIAS. Also Sept. 13, 10 a.m.

Physics, 3:30 p.m., 101 Osmond Lab. Steven J. Carlip on "Quantum Gravity in Flatland."

Electrical Engineering, 4 p.m., 123 EE East. Beth O'Hall on "Qualities of Leaders."

Computer Science, 4 p.m., 302 Pond Lab. Mohan M. Trivedi on "ABC of Intelligent Robotics."

Friday, September 9

Entomology, 11 a.m., 101 ASI Bldg. George Roderick on "Geographic Structure of Insect Populations: Why Answers from Allelopathy, Mitochondrial DNA and Nuclear Infrons Don't Always Agree."

Monday, September 12

University Libraries Seminar, 1 p.m., Tower Room 402, Central Pattee Library. Accessing LIAS From Your Home or Office. Also Sept. 15.

Physics, 3:30 p.m., 115 Osmond Lab. Steve Carlip on "The Statistical Mechanics of the (2+1) Dimensional Black Hole."

Tuesday, September 13

Biology, 4 p.m., 8 Mueller Lab. Ramesh Raman on "Maze Spin Transposable Element: A Novel Mechanism of Transcription Regulation."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Fritz Henglein on "Dynamic Typing."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Gilbert Levell on "Nutrition Issues and Research in a Food Company."

Wednesday, September 14



## The Laureate Wind Quintet

Faculty members from the West Virginia University School of Music make up the Laureate Wind Quintet, which will perform at 8 p.m. Tuesday, Sept. 13, in the School of Music Recital Hall on the University Park Campus.

Color Slide Club, 7:30 p.m., Penn State Scanlon Center. Bill Luster on "National Geographic Presentation of Central Pennsylvania."

### Saturday, September 17

Gallery Talk, 11 a.m., Palmer Museum. Jennifer Olson on "Félix Valotton's Graphic Work."

## PUBLIC RADIO

### WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m. "Performance Today," Mon.-Fri., 9-11 a.m. "All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m. "Weekend Edition," Sat. & Sun., 8-10 a.m.

University Libraries Seminar, 10 a.m., Tower Room 402, Central Pattee Library. Molecular Biology.

Gerontology, noon, 101 Health & Human Development Bldg. East. Dennis Shea on "Health Care Reform and the Elderly: A Panel Discussion."

Accounting, 3:30 p.m., 333 Beam Bldg. Kathy Petroni on "Fair Values of Equity and Debt Securities and Share Prices of Property-Casualty Insurance Companies."

Thursday, September 15

Ceramic Science, 11 a.m., 301 Steidle. David W. Johnson on "Carbides in Materials Research."

Physics, 3:30 p.m., 101 Osmond Lab. Gerald Blown on "Supernova Explosions, Black Holes and Nuclear Stars."

## CONFERENCES

### Thursday, September 1

Second Annual Penn State Conference on Quantum Geometry. Contact: Karen Brewster at 863-9605.

### Friday, September 9

Food Science Weekend, 175 attendees. PS Scanlon. Through Sept. 10.

Tuesday, September 15

Better Child Care Conference, 85 attendees. Penn State Scanlon. Through Sept. 14.

Thursday, September 15

PA Ceramics, 60 attendees, Penn State Scanlon. Through Sept. 20.

## EXHIBITS

### Potter

West Lobby Gallery: Sophie Richmond, watercolors of Pennsylvania and the Grand Canyon, through Sept. 15.

East Corridor Gallery: "A Day in Germany," photography from "New Germany," through Sept. 30.

Landing Services Gallery: "Fragments of Prague," Helena Lukas Martonucci photography, through September.

Palmer Museum: "Félix Valotton Prints and Preparatory Drawings," through Oct. 9.

"Gifts to Celebrate the New Museum," through Dec. 11.

Patterson Undergraduate Library: "Scapes: Student Drawing Exhibition," through Sept. 9.

Zoller Gallery: "Galactic Visions," through Sept. 25.

## TIPS

Information Penn State  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather-234; Arts Line-345; University Calendar-456.

■ Reflects an international perspective

## SEPTEMBER 8 - SEPTEMBER 18

## Private Giving

# New Yorkers endow engineering scholarship at Berks Campus

James C. and Hilda W. Harper of Youngstown, NY, have donated \$100,000 to endow an engineering scholarship at the Penn State Berks Campus. The scholarship was established as a memorial to Mr. Harper's father, Arthur C. Harper, who headed the Wyomissing Polytechnic Institute (the forerunner of Penn State Berks

Campus) from 1931 to 1952. "We are so pleased that Mr. and Mrs. Harper have enabled students to pursue their education at Penn State. Their generosity will enrich our community through many years," Frederick H. Gaige, campus executive officer, said.

James C. Harper graduated from

Penn State in 1939 with a degree in mechanical engineering. He was employed by the Carbondum Company in Niagara Falls, NY, for 36 years. Hilda W. Harper graduated from the University of Youngstown in Ohio and was employed by the Carbondum Limestone Company, where she served as secretary and assistant trea-

surer. Arthur C. Harper earned bachelor's and master's degrees from Penn State and joined the Penn State faculty in 1907. He became director of the Wyomissing Trade School, later the WPI, in 1931.

# The role of Intercollegiate Athletics

*Editor's note: Presentation to the University Faculty Senate by Tim Curley, director of Athletics, at its last meeting of Spring Semester, 1994.*

I am pleased to have this opportunity to address the Faculty Senate about the Intercollegiate Athletics program here at the University Park Campus.

I would like to share with you some of my thoughts and observations about the role of intercollegiate athletics in higher education and in particular here at Penn State.

One of the top priorities I identified immediately following my appointment was the need to sustain our efforts to further strengthen our institutional control systems and procedures to ensure continuing compliance with NCAA, Big Ten, and Penn State rules and regulations. Through these efforts and from institutional oversight of athletics from individuals outside the department, we can maintain this very visible and important program as an integral component of the University community. Because schools have not been able to maintain this essential link to the primary mission of their institution, abuses have occurred around the country creating the need to reform the model of college athletics in order to preserve the integrity of the fundamental principles of higher education.

I am pleased to report that the reform recommendations made by the Knight Commission and the basic standards of the newly adopted NCAA Certification program have been the philosophical structure and foundation on which the Penn State program has been built. We have called this model the "Penn State Way," or some of you in the room may remember it as the "Grand Experiment."

This philosophy and structure includes, but is not limited to, the following basic values and standards:

- The Trustees have delegated to the President the administrative authority to govern the athletics program without intervention from the board or individual members of the board. President Thomas has the same degree of control over the athletics program that he exercises elsewhere in the University.

- The Intercollegiate Athletics program is an operating unit of the University similar to other college and auxiliary units and is not a self-standing association.

- The Athletic Department budget process follows the University guidelines and is subject to University auditing procedures.

- The role, duties, and responsibilities of our NCAA faculty representative have long conformed to the newly published guidelines by the NCAA and the Faculty Athletic Representatives Associations.

- The University Faculty Senate and the newly restructured sub-committee on Intercollegiate Athletics has authority over the academic welfare of our student athletes and determines academic eligibility requirements for continuing competitive eligibility.

- Student athletes' admission to the University is governed by guidelines established by the Faculty

## *NCAA graduate rates demonstrate that Penn State student athletes are graduating at a rate consistent with non-athletes who have spent comparable time as full-time students.*

Senate and closely monitored by the President's Office.

All funds raised through the efforts of our Nittany Lion Club to pay for scholarship expenses are processed through the University's central financial controls and are subject to the same oversight as funds in other departments.

- Penn State has conducted self-evaluations of the athletic program and participated in the development of the NCAA Athletic Certification program. The purpose of such a review is to validate the fundamental integrity of the athletics program through an institutional self-study with the involvement of an outside peer review team.

- Student athletes are represented by the Student-Athlete Advisory Board and have a voice in the development of the policies that affect student athletes and, especially, academic welfare concerns.

- A comprehensive compliance program is in place and will continue to monitor compliance with NCAA, Big Ten, and Penn State rules and regulations.

- The welfare, health, and safety of student athletes are primary concerns of the athletic administration. Comprehensive academic support and sports medicine centers have been developed and adequate-

ly funded to respond to the changing student athlete needs in these important areas. I also might add that the reporting line for the Academic Support Center is to the University Provost. The Sports Medicine Center reports to The Hershey Medical Center. This ensures the best possible coordination of these services in concert with the University direction.

- NCAA graduation rates demonstrate that Penn State student athletes are graduating at a rate consistent with non-athletes who have spent comparable time as full-time students. And, I am proud to note, minority student athletes are graduating well above the national and University averages.

Penn State has and will continue to attempt to keep control and maintain the proper perspective of the role of intercollegiate athletics in higher education.

We must constantly maintain this focus and be vigilant for any erosion of our integrity.

Does this mean that Penn State's athletic program is totally above reproach, or that there isn't room for improvement, or that we might at some time be cited by the NCAA for lack of institutional control? Of course not! We will, from time to time, inadvertently or unintentionally violate NCAA rules and regulations. It is impossible with over 800 student athletes participating in the program, an NCAA rule book that consists of 510 pages and growing, a Big Ten manual of 177 pages, a 734-page booklet of Penn State Policies and Rules for Students, and over 321,000 living alumni, to not occasionally unknowingly violate the rules.

However, we have a solid system of checks and balances to assist in identifying and self-reporting these violations. When weaknesses are discovered in our monitoring system, we move more quickly and decisively to make the necessary adjustments to avoid repeat problems. We will take strong disciplinary action on individuals who are found to have intentionally and willfully violated NCAA, Big Ten, or Penn State rules and regulations.

Finally, I firmly believe that a properly managed Intercollegiate Athletics program can play a major leadership role in positioning the University as the preeminent institution of higher education in the commonwealth and as one of the leading research universities in the nation and world.

I look forward to working with the Faculty Senate in my new position while striving to reach the lofty goals and standards we aspire to for this great University.

## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Nittany Lions on television

Penn State's home football games with Iowa and Rutgers will be televised by ESPN2, the national cable network. Kickoff times for both games will be 12:07 p.m. Earlier it was announced that the Penn State-Southern California game on Sept. 10 will be an ABC Television regional telecast at 3:30 p.m.

The 1999 Nittany Lion squad, which earned a 9-2 mark and won the inaugural Liberty Bowl, will be hon-

ored at half-time of the game with the Trojans. Penn State's distinguished 1968-69 football team will be honored during the weekend of the home game. A series of events is planned to celebrate the Silver Anniversary of the two teams that accounted for 20 regular-season victories, bowl wins over Kansas and Missouri, a pair of Lambert Trophies as the top team in the nation, and consecutive, 2 finishes in the Associated Press college football poll.

### Women's soccer

Coach Patrick Farmer's women's soccer team will make its home debut against Cornell at 7 p.m. on Friday, Sept. 9, under the lights at Jeffrey Field. Opening ceremonies are planned to commemorate the beginning of a new varsity sport, the 29th in

Penn State's substantial intercollegiate program. Coach Farmer's Lady Lions will have played a game at James Madison before making their initial appearance before a hometown audience. "We want to establish ourselves as a competitive program right away," he said, "...I think the goals have to be in the improvement of the quality of play. If we get too caught up in the numbers game, we are not going to see the improvement we are making."

### Appointments

Dan Eck, a member of the Nittany Lion's athletic training staff since 1989, is slated to join the medical staff for the Wayne Rivington Championships, Sept. 11-18, in Indianapolis. The new restricted-earnings baseball coach is Jeff Ditch, a 1989 cum-laude graduate of Valley State, N.D., University. For-

mer Missouri swimming All-American Kevin DeForest joins Peter Brown as assistant men's swimming coach.

### Lady Lion volleyball

The NCAA runner-up women's volleyball team has five starters and nine letterwinners back from last year's 31-5 Big Ten championship squad.

Coach Russ Rose's Lady Lions open conference play against Ohio State, the conference coaches' choice as the preseason favorite to win the Big Ten title, on Sept. 21 at 7:30 p.m. Salima Davidson, the starting setter the past three seasons, was the Big Ten's MVP a year ago and is a returning All-American. Sandi Lamoureux, Laura Cook, Jen Reimers and Zeynep Ton are the other returning regulars.



## Ghana on a \$1 a day

Research Looks at Non-Traditional Financing Schemes in Ghana

**G**ayle Ann Morris, lecturer in economics at Penn State Erie, The Behrend College, spent nine weeks in Ghana last year studying the financial habits of its businesspeople, some of whom earn less than \$1 a day.

Her findings were heartening: both male and female business owners frequently have savings accounts, though few qualify for credit from traditional banks.

Most traditional Ghanaian banks aren't interested in these poor clients; they find it too cumbersome and costly to set up accounts for small, frequent deposits, or to have business hours convenient for market women or taxi drivers who work from 6 a.m. to 8 p.m.

Bank loans also are difficult for the poor to obtain because they lack the traditional collateral and familiarity with banking procedures.

But other, less formal, savings and borrowing options are available. "I looked at how poor women and men in Ghana use formal financial institutions such as banks, and informal financial sources, such as indigenous savings groups, moneylenders, and borrowing from family members," Dr. Morris said of the weeks spent in the port city of Accra and interior city of Kumasi.

Dr. Morris spent two summer weeks in Ghana doing preliminary research. She returned to the country for seven weeks in the fall for in-depth research.

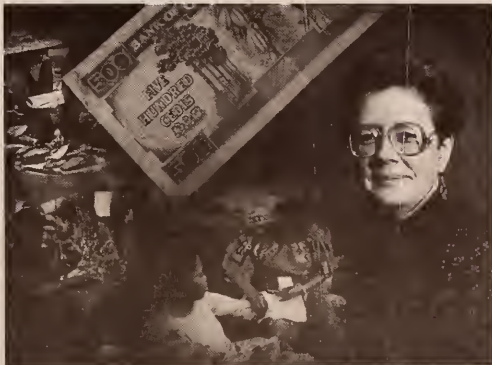
What Dr. Morris found is that Ghana's poor will use the services of a *susu* or other informal financial sources for their savings and borrowing needs. A *susu* is a group of people linked by ethnicity, kin, or neighborhood who organize an informal association to collect and safeguard the savings of its members. The *susu* account doesn't earn interest, but does prevent the money from being used by a woman's husband or destroyed by the fires that occasionally roar through the poorly constructed markets.

Informal banks in Ghana are called "savings and loans," but bear no resemblance to the American institutions of the same name. Two of these non-bank financial institutions, Citi Savings and Loan Co. and Women's World Banking, operate legally in Ghana and each is located next to a large market. Collectors from these institutions visit the stalls of the market women each day, since leaving a stall

to do banking means lost sales.

Non-bank financial institutions offer a special "illiterate's window" for customers who can neither read nor write, have interest-bearing savings accounts, and provide a line of credit to qualified clients using their savings accounts and character references as non-traditional collateral. Dr. Morris said non-bank financial institutions are

ject funded by the United States Agency for International Development. As part of ongoing USAID research in Africa, her work in Ghana also involves surveying the financial habits of both male and female owners of small (under 10 employees) and medium-size (11 to 30 employees) businesses in the furniture, bakery, food processing, and garment production



Gayle Ann Morris, lecturer in economics at Penn State Erie, The Behrend College.

Photo: Mike Froehlich

willing to use easily-obtained criteria to judge a market woman's ability to

*Non-bank financial institutions are willing to use easily obtained information to judge a woman's ability to repay, including the condition of her market stall, the quality of her merchandise, and the opinion of her held by others in the market.*

repay, including the condition of her stall, the quality of her merchandise, and the opinion of her held by others in the market.

Dr. Morris' research is part of a pro-

industry.

Contrary to popular belief, Dr. Morris found that small and medium businesses in the garment and food processing industries are exporting their products.

"The bias is that only large, male-owned firms export," she said. The fact that small and medium businesses owned by women and men have been able to find foreign markets for their non-traditional exports reduces Ghana's dependence on traditional exports such as cocoa (as raw ingredients of chocolate), timber and minerals.

The United States is currently sending \$80 million in aid to Ghana over five years for a trade and investment program that promotes non-traditional exports, Dr. Morris said.

"An increase in exports by these small and medium firms will definitely strengthen Ghana's competitive position in the world market. Access to financial services by these firms is necessary to ensure their continued growth, and development of additional product lines."

—Christine McCammon

## Research

## Roundup

Using soil as the key to weather prediction

**D**irt—in its characterization and water transporting ability—may be the key to improved weather forecasts and meteorological input to global climate models, according to Douglas A. Miller, research associate with Penn State's Earth System Science Center.

"Meteorologists have always recognized the importance of soil information in their models because soils provide a storage site for water, and they play an important part in evaporation and evapotranspiration. There is a high correlation, for instance, between severe storms and soil moisture," he said.

Unfortunately, up until recently, soil information was not available in a form usable in meteorological models. The recent development of the USDA Soil Conservation Service's State Soil Geographic Data Base—STATSOO—has changed things. It was created by generalizing detailed county soil surveys in each of 43 states.

Dr. Miller is working with this digitized information to provide soils input to both the mesoscale meteorological model and the hydrological models as part of the Susquehanna River Basin Experiment. The experiment is developing a nested, linked series of computer models ranging from a global climate model through a regional weather model to localized hydrology models. The objective is to model the Susquehanna River Basin and predict the effects of climate change on the area.

### I want my frozen yogurt to taste like ice cream!

**R**esults from taste testing conducted at the University suggest that however health-conscious they may be, consumers still want frozen yogurt to act like ice cream in their mouths.

"We found that the best-liked samples were prepared for the tests combined the sensory properties of ice cream—owing to low acidity—with the nutritional properties of yogurt," noted Jean-Xavier Guinard, assistant professor of nutrition. "In fact, many subjects liked the acidity to be lower than what has been proposed as the minimum acceptable concentration for the product."

In the study, 141 volunteers tasted and rated the degrees of acidity for nine samples of vanilla frozen yogurt prepared with University equipment to vary sugar and lactic acid content. Information gathered from volunteers showed that 36 percent of the women consumed frozen yogurt once a week, compared with only 12.5 percent of the men.

"Although the acid levels made a real difference, the levels of sweetness in the samples apparently had nothing to do with how much the subjects liked them," Dr. Guinard said. "In fact, the results indicate that no significant interaction exists between sugar and acid concentrations in the determination of acceptability of the product."



## Awards

# Assistant professor honored with \$500,000 fellowship from Packard Foundation

John V. Badding, assistant professor of chemistry, has received a five-year, \$500,000 Fellowship in Science and Engineering from the David and Lucile Packard Foundation. One of 20 awarded nationwide, the fellowship provides unrestricted funds to young faculty in the natural sciences and engineering who have demonstrated unusual creative ability in research.

Dr. Badding's research concerns problems of scientific and technological interest involving pressure-induced changes in the chemistry of the elements.

Dr. Badding said the Packard Fellowship will support his fundamental research into the properties of new elements — such as pressurized potassium, and new alloys like iron/potassium — that can form under extreme pressures. The research could further the understanding of the formation and evolution of the Earth, as well as the relationship of materials in the Earth's core to its overall structure.

Dr. Badding's research also has potential applications, possibly including novel polymer materials and new kinds of semiconductors and solar cells.

"The Packard Fellowship is less restrictive than most other awards and it actually encourages creativity and innovations," he said. "It will allow us to explore exciting but speculative avenues of research that would otherwise be impossible."

Dr. Badding earned his bachelor's degree in chemistry from Manhattan College in New York in 1984 and his doctoral degree from the University of California at Berkeley in 1989. He was a postdoctoral fellow at the Geophysical Laboratory of the Carnegie Institution of Washington before joining the Penn State faculty in 1991. He was awarded the National Science Foundation Young Investigator Award in 1993.



John V. Badding

# Novel by Altoona assistant professor deemed best

A novel by Charles Hackenberry, assistant professor of English at the Penn State Altoona Campus, has been judged the Best Western Novel of 1993 by the Western Writers of America (WWA).

"I am both pleased and surprised to have won the WWA's Spur Award for the best Western novel of 1993," Dr. Hackenberry said. "The Spur is, to folks who do what I do, what an Academy Award is to someone in Hollywood. I interpret it as both a short round of applause and a challenge to do better next time."

The book, *Friends*, which was published June 1993 by M. Evans & Co. of New York, is Dr. Hackenberry's first novel to be published. It is a historical Western set in the South Dakota Territory in 1877, right after the Custer Massacre. While the book is a Western chase story on a superficial level with the narrator, Willie Goodwin, and a sheriff, Cleve Shannon, pur-

suing a bad guy into the Black Hills, a deeper story lies in the developing friendship between Willie and Cleve — a friendship that's endangered at times.

A Levensworth native, Dr. Hackenberry traveled throughout Montana and the Dakotas researching background material for *Friends* from the landscape and libraries. He is currently writing a second western, dealing with an earlier period of Willie Goodwin's life.

Dr. Hackenberry has taught at the Altoona Campus for 10 years, where he teaches writing and American literature courses. Prior to his appointment at the campus he held several other teaching positions in Pennsylvania and for Penn State. He earned a bachelor's degree from Shippensburg State College in English and speech, and a master's in theatre arts and a doctorate in English and American studies from Penn State.

# Assistant professor earns national award

Kathryn W. Lilly, assistant professor of mechanical engineering, has received an Award for Engineering Teaching Excellence from the W. M. Keck Foundation.

Dr. Lilly is one of 20 young engineering professors from leading universities across the United States to receive the honor. Their schools were granted \$10,000 each in the inaugural \$200,000 program.

An expert in control and robotics, Dr. Lilly is a popular teacher who has developed several courses in these areas as well as written a textbook, *Efficient Dynamic Sim-*



Kathryn W. Lilly

ulation of Robotic Mechanisms. She created and teaches a senior level course in which students design and build robots for actual life applications. Typical projects, which combine hands-on activities with the study of engineering applications and ethics, include creating robots to help paraplegics eat or designing robots to manipulate hazardous chemicals.

Dr. Lilly received the 1994 Penn State College of Engineering Outstanding Teaching Award. She is a Leonard Center for the Enhancement of Engineering Education Fellow and a recipient of the Center's Rookie of the Year Teaching Award and the Focus on Innovative Leadership Award from the Leonard Center. She has been named Teacher of the Year by the Penn State chapter of Pi Tau Sigma.

She has three degrees from the Ohio State University, all in electrical engineering: a bachelor's (1963), master's (1965) and a Ph.D. (1969).

# Smeal College Ph.D student cited for outstanding teaching

Sundaresh Ramnath, a Ph.D. candidate in accounting, has been honored with the 1994 Ossian R. MacKenzie Doctoral Teaching Award by The Smeal College of Business Administration.

Named for the college's first dean, the MacKenzie Award recognizes exceptional doctoral students who have demonstrated outstanding teaching promise in the business disciplines. Winners are selected from a field of candidates nominated by the college's seven academic departments. Final decisions are made by The Smeal College Fellowship Committee.

Mr. Ramnath was praised for making the courses he teaches both challenging and enjoyable, and for showing genuine concern for his students. His dissertation will explore intra-industry information transfer and earnings expectations. He holds a master's degree in accounting from Northern Illinois University and a bachelor's degree in commerce from the University of Madras, India. In addition, he is a chartered accountant in India and a CPA in Illinois.

## WPSX-TV series earns national distinction

"What's in the News," a television series produced by WPSX-TV, has been named a winner in the National Education Association's 15th annual "Awards for the Advancement of Learning through Broadcasting" competition. The series is one of 21 radio and television programs around the United States to be honored by the NEA.

"What's in the News" is a current events series designed for use in fourth-to-sixth grade social studies classrooms. The program is seen in 37 states and in Reykjavik, Iceland.

The series was cited for an episode titled "Children of the Balkans," in which Bosnian children living in refugee camps talked about the war in their homeland.

"We're thrilled to be recognized for our work by the NEA," said Tim Swartz, executive producer of "What in the News." "The classroom is the ideal environment to get kids excited about current events and teachers are very supportive of the series."

## "Alumnus of the Year" named

Lycorning County District Attorney Thomas A. Marino has been named "Alumnus of the Year" at Pennsylvania College of Technology.

A Williamsport native, Mr. Marino graduate from Penn College's predecessor, Williamsport Area Community College, in 1965, with an associate degree in general studies. He received a bachelor's degree in political science and education at Lycoming College, in 1985 and a juris doctorate at Dickinson School of Law in 1987.

In his law practice, Mr. Marino handles family and domestic law, real estate law, and litigation. He has been a partner at McNeerney, Page, Vanderlin & Hall since 1988, and Lycoming County's district attorney since 1992.

## Fayette Excellence Awards

The Penn State Fayette Campus has named the winners of its 1994 Excellence Awards. They are:

Evelyn A. Hovanec, associate professor of English, Public Service Excellence Award; James P. Crawford, associate professor of physics, Research/Scholarly Excellence Award; Albert E. Bashur, a student majoring in business administration, Scholastic Excellence Award; Paul J. Mihalco, Gerald K. Riggart, Robert D. Miller, and Howard L. McGhee, Support Services Excellence Award.

## Penn Staters

Abhay Ashtekar, holder of the Eberly Family Chair in Physics and director of the Center for Gravitational Physics and Geometry, presented a talk, "A Manifestly Gauge-Invariant Approach to Quantum Gauge Theories," at the International Workshop on Constrained Systems at the Newton Institute in Cambridge, England. He also presented a talk titled "Calculus on A/G: New Geometry for Planck Scale Physics" at the International Conference on Quantum Concepts in Space and Time, hosted by the London Mathematical Society in Durham, England.

Sidney Barnard, professor of food science, won the Clatton Award from the International Association of Milk, Food and Environmental Sanitarians for his work with the association over the past 25 years.

Stephen Beckerman, associate professor of anthropology, presented two invited lectures, "Subsistence, Settlement, and Slaughter" and "War and the Bar," at the Smithsonian Tropical Research Institute, in Panama City, Panama. He presented another invited lecture, "Subsistence and Settlement," to the Seminar für Völkerkunde at the University of Bonn, Bonn, Germany. He also presented a paper, "Weeding, Warfare and Fishing Weirs: When, Where and Why the Bari Relocated," to the 48th International Congress of Americanists in Uppsala, Sweden.

Cengiz Camci, associate professor of aerospace engineering, presented a paper, "Application of a Heat Flux/Calorimeter-Based Method to Assess the Effect of Turbulence on Turbine Airfoil Heat Transfer," co-authored by B. Gleszer, H.K. Moon and L.Zhang, of Solar Turbines Inc., at the 39th annual ASME International Gas Turbine Congress in The Hague, The Netherlands.

Christine Clark-Evans, associate professor of French, presented the paper, "The Critique of Method in the Novel: Diderot's *The Nun* (1760)," at the International Association for Philosophy and Literature at the University of Alberta, Edmonton, Alberta, Canada.

Peter S. Cookson, associate professor of adult education, was given by the Council for International Exchange of Scholars to chair the Area Advisory Committee for Latin America. The committee is charged with the responsibility to short-list the applicant pool and pass on a number of recommended Fulbright Scholar Program candidates for further consideration by Fulbright binational commissions or U.S. embassies abroad, and prospective host institutions.

Herman Cohen, professor emeritus of speech communication, presented an invited address, "Rhetorical Criticism in the United States 1914-1945," at the 14th meeting of the International

Communication Colloquium at the University of Jyväskylä in Finland.

Richard Fox, professor of soil science in agronomy, won the Research Award from the Northeastern Branch of the American Society of Agronomy at the annual meeting in St. Anne DeBellevue, Quebec in July for his work on soil fertility.

Richard M. Fox, professor of psychology at Penn State Harrisburg, has been elected president of the Association for Behavior Analysis International.

Thomas A. Hale, professor of African, French, and comparative literature, participated in the first of three meetings in Paris of a four-member advisory committee named by the French Ministry of Culture to oversee the design of a traveling exhibit on the global cultural impact of the writings of Marianne Moore and political leader Aimé Césaire. The exhibit, funded by several French ministries and the Agency for Cultural and Technical Cooperation, will open at the 6th biennial summit meeting of heads of French-speaking nations and governments in Cotonou, Benin, in November 1995.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and the Materials Research Laboratory, gave an invited seminar on "Novel Microwave-Hydrothermal Synthesis of Ceramics and Metal Powders" at the Indian Institute of Technology, Madras, India. He also gave an invited lecture on "Nanocomposite Porous Materials" at the Associated Cement Companies Ltd., Bombay, India.

B. Lakshminarayana, Evan Pugh Professor of aerospace engineering and director of the Center for Gas Turbines and Power, presented five papers, co-authored with graduate students at the 39th annual ASME International Gas Turbine Congress in The Hague, The Netherlands. He also presented a paper titled "Unsteady Flow through Turbine Stage" at the Société Nationale D'Etude Et De Construction De Moteurs D'Aviation and a seminar, "Measurement of Steady and Unsteady Flow in Turbine Stage Compressors and Turbines," at Ecole Centrale de Lyon, Paris, France.

Arthur T. Motta, assistant professor of nuclear engineering, has received the John H. Schemel Award for the best paper, "Oxidation of Intermetallic Precipitates in Zircaloy-4: Impact of Irradiation," presented at the ASTM 10th International Symposium on Zr in the Nuclear Industry.

Richard Nichols, professor of theatre arts, met with administrators in Beijing this summer to discuss the possibility of an exchange program between the Beijing Central Dramatic Academy and the Department of Theatre Arts. While in Tokyo he met with NOMURA

Masaku, a Kyogen (classical comic theatre) actor, to discuss the translation of a play he plans to produce along with another Kyogen at Penn State during the spring semester 1997.

Charles S. Prebish, associate professor of religious studies, has been appointed editor-in-chief of *Critical Review of Books in Religion*. The annual journal, published jointly by the American Academy of Religion and the Society of Biblical Literature, includes essay-length reviews, one-page evaluations, extensive book lists, and a complete index of authors. The American Academy of Religion and Society of Biblical Literature are the primary North American professional organizations for the discipline of religious studies.

Rustum Roy, Evan Pugh Professor of the solid state, gave the opening address to the International Conference on New Diamond Science and Technology in Kobe, Japan. He also discussed the incorporation of strategies for this film diamond work. In Sydney, Australia, Dr. Roy gave the opening plenary address, "Fifty Years of Mineral and Materials Synthesis," to the 4th Australian Ceramic Society meeting.

Andrew Scanlon, professor of civil engineering, presented a paper, "Analytical and Experimental Studies of Impact on Reinforced Concrete Structures" at a research symposium on "The Behavior of Reinforced and Prestressed Concrete under Variable Loadings" at the University of Glasgow, Scotland.

Barbara A. Shaw, assistant professor of engineering science and mechanics, has been invited to be the keynote speaker at the 5th International Symposium on Electrochemical Methods in Corrosion Research in Lisbon, Portugal. Dr. Shaw, an expert in engineered materials with an emphasis on the structure, processing and environmental degradation of non-equilibrium alloys and metal matrix composites, is both a NSF Young Investigator and an Office of Naval Research Young Investigator.

Jogender Singh, research associate, and Terri Marsico, research assistant, High Friction Processing Department, Applied Research Laboratory, attended the North Atlantic Treaty Organization's Advanced Study Institute on "Materials and Processes for Surface and Interface Engineering" at the Château de Bonas, Castria Verduzan, France. Dr. Singh presented a lecture titled "Laser Beam and Photon-Assisted Processes for Surface Treatments." Ms. Marsico, one of only five U.S. doctoral students invited to attend the institute, represented the Applied Research Laboratory and the Intercollege Graduate Program in Materials.

Alok Sinha, associate professor of mechanical engineering, presented a paper, "A Neural Network Based

Active Rotor Controller with Output Feedback," co-authored by R.P. Ma, former Ph.D. student, at the 39th annual ASME International Gas Turbine Congress in The Hague, The Netherlands.

Harish Sujana, associate professor of marketing, presented a paper titled "The Effects of Optimism and Mood on Information Processing Flexibility" with Mita Sujana, professor of marketing, at the summer conference of the Association for Consumer Research in Singapore. He also presented a paper, "How to Work Smarter in Sales," to the faculty and Ph.D. students of Jammal Bajaj Institute of Management Studies in Bombay, India.

Mita Sujana, professor of marketing, presented a paper, "The Influence of Prior Knowledge on Information Processing: Implications for Communication Strategies," to the faculty and Ph.D. students of Jammal Bajaj Institute of Management Studies in Bombay, India.

At the invitation of the Comisión Federal de Electricidad (CFE), the Mexican Electrical Power Company, and PEMEX, the Mexican Oil and Gas Company, Mirna Uquidi-Macdonald, associate professor of engineering science and mechanics, delivered several seminars over a one-week period to CFE personnel at Morelia, Michoacán, Mexico. The seminars were on deterministic and Artificial Neural Network techniques for predicting damage due to corrosion phenomena.

Thomas L. Watschke, professor of turfgrass science, appeared at the Second World Scientific Congress of Golf in St. Andrews, Scotland where he presented a research paper on management inputs to turfgrass and their effect on water quality. Dr. Watschke also made two invited keynote presentations at the Australian Golf Course Superintendents Association meetings in Adelaide. One topic dealt with the environmental fate of pesticides applied to golf courses, and the other pertained to the use of plant growth regulators as a maintenance practice on golf courses.

Mark T. Whary, research assistant, Laboratory Animal Resources Program, has been certified as a Diplomate of the American College of Laboratory Animal Medicine (ACLAM). Certification as a specialist or "diplomate" of ACLAM is achieved by meeting standards of education and experience and passing comprehensive written and practical examinations.

Harry H. West, professor of civil engineering, presented a paper titled "Relationships between Allowable Overload Stresses and Behavior of Prestressed Concrete Bridges" at a research symposium on "The Behavior of Reinforced and Prestressed Concrete under Variable Loadings" at the University of Glasgow, Scotland.



## News in Brief

### Virtual driving reality

On Friday and Saturday, Sept. 9 and Sept. 10, from 8 a.m. to 5 p.m., a full-scale driving simulator called RealDrive will be on exhibit in the parking lot of the Pennsylvania Transportation Institute (PTI) on the University Park Campus. Representatives from Illusion Technologies of Vancouver, WA, which manufactures RealDrive, and researchers from PTI will be on hand to conduct live demonstrations and answer questions. In addition, visitors over the age of 16 will have the opportunity to "test drive" the simulator.

"RealDrive is a self-contained unit consisting of a full-size car mounted on a motion table that gives drivers and passengers a simulated 'feel of the road,'" says Michael Patten, a research assistant at PTI. "The steering wheel, brakes, accelerator, and other controls feel and function the same as in an actual vehicle, as do the windshield wipers, headlights, and speedometer." The simulator combines computer-generated images with a three-dimensional virtual sound system to create driving scenarios in inner city, suburban, and rural driving environments. Because most of the dynamic movements a driver experiences in a moving vehicle can be simulated in RealDrive, the device is often a valuable tool for driver training, diagnostics, and research.

The Pennsylvania Transportation Institute is located in 201 Research Office Building just off Hastings Road (across from Graduate Circle and directly behind the Materials Research Laboratory). For more information about the simulator, call Mr. Patten, at (814) 863-0572.

### Open house

The Pittenmyer Mineralogical Society will host an open house at the Earth and Mineral Sciences Museum and Art Gallery, on the University Park Campus at 7 p.m. Wednesday, Sept. 21. The museum open house will give visitors a chance to view the museum's exhibits and see some recently acquired specimens. Visitors also will have a chance to tour some of the labs and see some collections not ordinarily accessible by the general public.

The Earth and Mineral Sciences Museum and Art Gallery is located in the Seidle Building on Pollock Road. Several thousand minerals are on display in the museum as well as hundreds of man-made materials such as glasses, ceramics, and plastics. The museum's art collection includes more than 250 pieces, most of which depict scenes from the mining and metallurgical industries.

### Golf classic

Golf with Penn State Engineers on Saturday, Oct. 1, and help

support engineering education.

The second PSES Golf Classic, featuring a shotgun start at 9 a.m. on the Penn State courses and a four-person team scramble, includes 18 holes of golf, cart rental, tee favors, prizes and a barbecue.

Proceeds go to the Penn State Engineering Society Faculty Awards Endowment. For more information, contact Tracy DeSoto, 865-9531.

### Free photography lessons

The Psychology Department is offering free photography lessons for children seven years of age or going into the second grade as part of a research project studying child development. For more information, contact Jennifer at 865-1568 or leave a message at 867-9613.

### Council of All Beings

The University's newly established Peace and Conflict Studies Minor will convene a "Council of All Beings" from 7 to 9:30 p.m. Wednesday, Sept. 14, in the Minor House of the University Chapel on the University Park Campus.

The event will mark the beginning of the new minor at the University and is being held in conjunction with the art installation, "Reign of the Tower."

For information about participation, call 865-9951 or 238-5164.

## Faculty Senate News

The University Faculty Senate will meet at 1:30 p.m. Sept. 13, in Room 112, Kern Graduate Building in University Park.

Items to be discussed:

- Ad hoc committee to review Commonwealth Educational System personnel recommendations (informational).
- Amendment to Standing Rules, Joint Committee on Insurance and Benefits (legislative).
- Report of the Special Committee on Faculty Workload and Accomplishment (informational).
- Summary of academic renewal petitions (informational).
- Summary of petitions for waiver of the 10

credit limit for nondegree conditional students (Student Policy 14 00) (informational).

- Awards and Scholarships (informational).
- Annual report of the Joint Committee on Insurance and Benefits (informational).
- Improving the climate for teaching and learning (informational).
- Summary of student petitions by college, unit or location (informational).
- Status of construction projects report (informational).

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.

published by the National Art Education Association as the third in its *Noted Scholar Series*.

*Revisions* is a selection from Dr. Hoffa's previously published journal articles, chapters in books, or addresses to professional audiences. They were chosen from over 100 such examples. Each was originally presented between 1976 and 1992 and they have been revisited because they continue to address timely issues in art education. They are, however, tied together in this new publication by a connect-

ive tissue of five new essays, each of which address related issues in the professional landscape.

The "ten little pieces" are divided into five groups of two essays each which deal, in turn, with historical inquiry, the influence of social and political pressures on art instruction, the roles of technology and the workplace in determining what is taught in the name of art, instrumental versus intrinsic values in the art curriculum, and the changing face of research in art education. Each such pair is then

## OBITUARIES

John J. Burke, patrol officer, Penn State Altoona Campus; from Oct. 13, 1973, until his retirement Aug. 20, 1987; died Aug. 19 at the age of 69.

James L. Harpster, groundskeeper, former College of Health, Physical Education and Recreation; April 1, 1955, until his retirement July 2, 1985; died Aug. 16 at the age of 62.

Suzanne M. Seamans, administrative assistant I, Development and University Relations; since Nov. 26, 1973; died Aug. 23 at the age of 53.

Kathryn J. Sprout, staff specialist, Continuing Education; from Nov. 3, 1975, until her retirement Nov. 9, 1985; died July 31 at the age of 74.

Lucille J. Strauss, librarian, University Libraries; from Oct. 1, 1931, until her retirement July 13, 1973; died Aug. 5. She was 85.

Gerald J. Stout, research associate, College of Engineering; Jan. 1, 1937 to June 1, 1947, and Feb. 1, 1958, until his retirement March 1, 1961; died July 30. He was 93.

Mabel J. Martin, secretary A, College of Arts and Architecture; from April 29, 1946, until her retirement Nov. 1, 1971; died May 1 at the age of 78.

Joseph G. Foster, retired assistant professor of French at the Penn State McKeesport Campus, died Aug. 11 at the age of 78.

A graduate of the University of Chicago, he received an M.A. degree in romance languages from Penn State in 1954.

Prior to joining the McKeesport faculty in 1959, he taught at Grinnell College in Iowa and the University of Nebraska. He retired in 1981.

Cyril E. Griffith, associate professor emeritus of African history, died July 22. He was 64.

A graduate of Wilberforce University, Wilberforce, Ohio, he received a master's degree from Bowling Green State University and Ph.D. from Michigan State University.

Dr. Griffith joined the University faculty in 1970, and from 1975-79, served as director of the Black Studies Program. Along with his outstanding service commitment to the University community, he played an import role in the classroom. His courses on African and African-American history have been mainstays of the offerings of both the Department of History and African and African-American Studies Program. He retired July 1, 1993.

A founding member of the Black History Advisory Committee of the Pennsylvania Historical Commission, Dr. Griffith was cited for his "deep commitment to the promotion and preservation of black history and culture in Pennsylvania." He was a member of the American Historical Society, African Studies Association, and the Association for the Study of Afro-American Life and History.

He was the author of *The African Dream: Martin R. Delany and the Emergence of Pan-American Thought*.

## BOOK SHELF

Harlan Hoffa, professor emeritus of art education and associate dean emeritus in the College of Arts and Architecture, is the author of *Revisions: Ten Little Pieces on Art Education*,

introduced by one of the five new essays.

The introduction to *Revisions* was written by John Mahlmann, executive director of the Music Educators National Conference and a 1970 Ph.D. in art education from Penn State. The publication includes three additional essays, two of which bracket the collection as a whole while the third deals with the "multiple form" — arts education with an "s".



## Partings

Number of  
employees retire

Catherine M. Bagshaw, food preparer B, Housing and Food Services, from Aug. 22, 1983, until July 30.

Irene T. Newell, staff assistant IV, Hershey Medical Center, from Nov. 16, 1981, until Aug. 20.

Helen J. Smith, staff assistant VI, C&IS Telecommunications, from Sept. 1, 1976, until Aug. 1.

Lisa M. Sproule, director, Administrative Services and Programs, Office of the President, from July 1, 1982, until Aug. 3.

Paul H. Schweinhart, supervisor, Computer Systems and Operations, Hershey Medical Center, from Nov. 24, 1980, until July 1.

Aldine Bolen, environmental health worker at The Hershey Medical Center, has retired after 21 years service.

Ms. Bolen joined the Medical Center staff in 1973. Her duties were to clean patients' rooms and to keep the hospital looking its best for visitors and patients.

In retirement, she is looking forward to visiting her two brothers in New York and spending more time with her three children and four grandchildren.

Barbara Hutchinson, assistant manager of clinical labs at The Hershey Medical Center, has retired after 25 years service.

Prior to joining the Medical Center as the chief technician in the chemistry section, Ms. Hutchinson worked as a medical technologist or as part of management at various hospitals in Wisconsin, Florida, and New York.

She plans to be busy traveling around the country in her retirement.

Helen Peterson, clerk A for Clinical Labs at The Hershey Medical Center, has retired.

She joined the Medical Center staff in July, 1969 in the Medical Photography Laboratory. After four years, she transferred to Critical Care, where she worked for 12 years as assistant to the nurse manager, preparing schedules for approximately 130 employees. The final eight years of her career were spent working in the Blood Bank.

She plans to catch up on chores around the house and spend time with her two sons and four grandchildren in her retirement. She also plans on taking trips to her mobile home in Delaware.

## Education professor earns emeritus rank

Francis J. Di Vesta, professor of education and psychology in the College of Education, has retired with emeritus rank after more than 30 years of service.

Dr. Di Vesta joined the University faculty in 1964, coming from Syracuse University where he had been on the faculty for 11 years. In addition, he was a member of the Bucknell University faculty for one year, and served as chief of the Evaluation Branch, Educational Advisory Staff, Air University, at Maxwell Air Force Base for four years. He was a public school teacher in Connecticut for four years immediately following graduation with a B.S. degree.

He earned both Ph.D. and M.S. degrees in educational psychology from Cornell University and the B.S. degree in science education from the University of Connecticut.

During his career, Dr. Di Vesta has made outstanding contributions to the field of educational psychology having published five books, numerous chapters in edited books and journals, and more than 100 articles in core research journals in educational psychology.

At Penn State, he has supervised approximately 45 doctoral dissertations and at Syracuse, about 20 others. In 1993, he was awarded the Career Achievement Award within the College of Education. Internationally, Dr. Di Vesta has lectured on his research in many professional meetings in northern Europe and South America.

His professional affiliations include the American Psycho-

logical Association (Council of Representatives; accreditation evaluator of training programs; program committees chair), in which he holds Fellow status in the Divisions of Developmental and Educational Psychology; American Educational Research Association (committees chair and co-editor of AERA series); and editorial boards or consulting editor of the *GRE Advanced Psychology Examination*, *Educational Technology Research and Development*, *InterAmerican Journal of Psychology*, *Journal of Educational Psychology*, *Journal of Research and Development in Education*, *Journal of Experimental Psychology*, *Psychological Reports*, *Contemporary Educational Psychology*, and the *Journal of Research in Teacher Education*.

At Penn State, Dr. Di Vesta served on numerous committees, including the Faculty Senate, the Committee on Use of Human Subjects, the Faculty Advisory Committee for Research, and the Committee on Need for a School of Law. In the College of Education, his service included the Academic Advisory Committee, the Graduate Programs and the Courses of Study Committee, Faculty Council, Promotion and Tenure Committee, Research Committee, Academic Policy Committee, and the Graduate Programs Committee.

He currently holds an appointment at Florida International University as Visiting Scholar and Scientist where, as a member of the faculty, he will assist in implementing several innovative programs including program development in educational psychology.

## Assistant professor ends 29 years of service

Frank P. Yatsko, assistant professor of engineering at the Penn State Worthington Scranton Campus, has retired after 29 years service.

A graduate of Lehigh University, he was employed for 10 years with General Electric prior to joining the Worthington Scranton faculty in 1964. He has served on the campus Safety Committee, Instructional Resources Committee, and the Secondary School Relations Committee. He also has been



Frank P. Yatsko

instrumental in planning and hosting the annual Engineers' Open House.

Mr. Yatsko is co-author of *CIRCUITS: Principles, Analysis, and Simulation*, a textbook that focuses on electrical circuits, theory, and operation. He is a member of the Institute of Electrical and Electronic Engineering, American Society for Engineering Education, National Society of Professional Engineers, and the Pennsylvania Society of Professional Engineers.

He lives in Dunmore with his wife, the former Leonora Filipina. They have three children: Francene, of Exton, PA; Frank, of Throop, PA; and Paula, at home.

## Professor retires with emeritus rank after 25 years

Bernard G. Guernsey, professor of human development and family studies and counseling psychology, has retired with emeritus rank after 25 years service.

Dr. Guernsey joined the University in 1969 as professor of human development and founding head of the Individual and Family Consultation Center, in the former College of Human Development. He also has been co-professor-in-charge of continuing education in the Department of Human Development and Family Studies and co-director of the department's Family Child Care Specialist certificate program (a nanny-training program).

A licensed psychologist, he has been practicing and teaching marital and family therapy for more than 35 years. Along with others, he has written or edited four books and numerous articles and chapters, and produced a variety of professional training films and therapy demonstration tapes in individual, marital, and family therapy. He is on the editorial boards of three family therapy journals and a psychotherapy journal.

He and his wife, Louise, professor emerita of human development, received a number of national awards for their work in developing the Relationship Enhancement methods of therapy, problem prevention, and enrichment. In 1990 he received an award for Outstanding Contribution to the Service of Family Psychology from the American Psychological Association's Division of Family Psychology.

He holds a bachelor's in psychology from Brooklyn College, and both a master's and doctorate in clinical psychology from Penn State.



Bernard G. Guernsey

## Associate professor's career with University spans 32 years

John E. Haag, associate professor of English, has retired after 32 years service.

Dr. Haag joined the faculty in 1961 as an instructor in English. In his years in the English Department, he was a major presence in the creative writing program.

In 1970, he inaugurated the Open Reading Program, at which for many years budding poets tested themselves

before live audiences. By his count, more than 1,000 such students took that opportunity.

Dr. Haag's publications extend from his first collection of poems in 1961 (*The Mirror Men*) and his second major collection 10 years later (*The Brine-Bratler*) to an extensive piece in 1993 on James Wright for the AWP Chronicle, an outlet of wide circulation among writers.

# HRDC courses offer opportunities for employees



*Every year, HRDC offers more than 150 courses for Penn State employees*

Over the past 40 years, University employees have dealt with anger and exhaustion, discovered a new "weight" of life, or learned the skillful art of negotiating through a unique service offered by the Human Resource Development Center.

Annually, HRDC offers more than 150 courses — some free — on a wide variety of topics to faculty and staff members seeking professional or personal development. In 1993 alone, more than 14,000 employees participated in one or more of the courses offered by HRDC.

From intermediate algebra to violence in the workplace, HRDC and a host of other University units collaborate to provide courses they believe will help employees grow and thrive in both their jobs and in their personal lives.

"Your home life really affects work and vice versa," Lenny Pollack, HRDC manager, said. "We are trying to offer courses that are helpful in all areas of our employees' lives. We listen to the community and try to fill its diverse members' needs."

"Because we have a wealth of knowledge based at the University we are really a vehicle for people who have an expertise to help other Penn Staters grow and develop."

Every semester HRDC sends out the *Professional Development Opportunities for Faculty and Staff* handbook which outlines course options. Included in the Fall Semester catalogue are career development listings, communication topics, diversity and equity

courses, leadership and professional growth offerings, and work and family topics ranging from parenting skills to nutrition courses — to name a few. New for this fall, are courses on improving quality in daily work, writing research proposals and managing projects.

"These courses are an excellent way to provide employees with professional development," Karen Horne, assistant director in the Department of Publications, said. Ms. Horne is the instructor for a course offered this fall titled "Planning and Developing Effective University Publications." The idea for such a course came from a need expressed by University employees and the desire of publications people to assist those struggling to make their desktop-published materials sport a professional look.

"It's such a convenient, easy and beneficial thing for someone to do. In some cases the courses are free or there is a nominal fee attached and they cover a great range of ideas and topics," she said. "I have taken courses that I think were so helpful they should be mandatory."

The courses Ms. Horne found the most helpful were a series of diversity-related offerings taught by professionals "with a solid knowledge base who were able to talk off the cuff and really knew their subject matter."

Dr. Pollack said HRDC prides itself on its relationships with other units that supply instructors for many of its courses. Some of these units see it as part of their Penn State mission to provide these courses to faculty and staff members. In addition to staff professionals who lend their time and expertise to HRDC, faculty members also contribute to the professional development of the University community.

"Our principle is that if there is another unit or person that has expertise and is willing to offer it to the rest of the University, then we'll take care of coordination and facilities," he said. "We have available to us some of the best talent in the country and we want to use that talent."

One example is the Department of University Safety, which is offering several courses, including "Violence in the Workplace: Assessment and Responses."

According to David E. Storrer, assistant vice president for Safety and Environmental Services, the course is being offered because violence in the workplace is a real threat that in many cases could be avoided. By educating supervisors and managers and helping them detect the warning signs, potentially violent situations could be defused.

"It's a reality in today's society. It is the third leading cause of death at work for males, surpassed only by machinery accidents and traffic accidents," he said. "Courses like these are in the best interest of everyone

involved — from the person experiencing the problems to the community at large."

*Anyone interested in taking an HRDC course or in offering their expertise and services to teach an HRDC course, should contact Lenny Pollack at 865-3410.*

Marguerite Fink, coordinator of University Travel Services, agrees that tough issues — like violence — as well as her area of expertise — travel — should be offered to the University community.

"Violence in the workplace is a serious issue and providing people with information on this topic and all the topics covered by HRDC courses is a great service," she said. Ms. Fink will be teaching two courses this fall: "Practical Tips for Business Travelers," and "Making Business Travel Arrangements."

"We don't often discuss the vital safety issues tied to travel and I think it's a topic that will prompt people to think about their own safety, from the time they leave their home to the time they return home," she said. "Travelers also need to know their rights and what to expect when traveling in the United States or abroad."

Providing a small sampling of what her course will include, Ms. Fink gave these quick travel suggestions that in some cases, go against traditional advice on the subject:

- 1) Don't stop your newspaper or mail from coming to your home. This could be a signal to a criminal watching, but don't let it pile up either. Simply ask a trusted friend or neighbor to collect it daily.
- 2) When checking into a hotel, never let the hotel staff announce your room number when giving you the key or taking your bags. If they do, ask for another room.
- 3) Travelers who miss their check-in times at airports can lose their seats and will not be compensated for that loss. What should you do?

"Well, I don't want to give away all of the course secrets," she said.

Anyone interested in taking an HRDC course or in offering their expertise and services to teach an HRDC course, should contact Lenny Pollack at 865-3410.

— Lisa M. Rosellini

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## PENNSTATE



## INTERCOM

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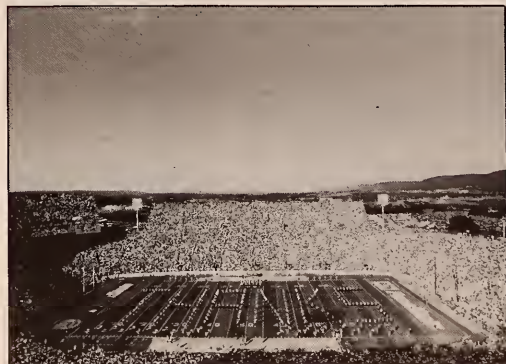




# INTERCOM

September 15, 1994

Volume 24, Number 5



## Thanks!

In appreciation to donors who contributed to the purchase of new uniforms, the Penn State Blue Band spells out thanks during halftime of the Penn State — USC game at Beaver Stadium.

Photo: Greg Grieco

## Sixteen appointed to serve on presidential search committee

William A. Schreyer, president of the Board of Trustees, has announced the names of 16 people who will serve on the University Presidential Search and Screen Committee.

The committee will play a major role in the search for a successor to Dr. Thomas, who announced his retirement as Penn State's president effective Aug. 31, 1995. The committee membership includes faculty and staff members, students and alumni.

Eva Pell, distinguished professor of plant pathology, has been appointed chair of the committee. David N. Wormley, dean of the College of Engineering, has been named vice chair. In addition, Robert Secor, department head and professor of English, who was a member of the 1989-90 Presidential Search and Screen Committee, will serve as a consultant to the 1994-95 Presidential Search and Screen Committee.

Other committee members are:

- Edward Anchel, president of the Penn State Alumni Association;
- Harry R. Allcock, Evan Pugh professor of chemistry;
- Julien F. Biebuyck, Eric A. Walker professor and chairman of anesthesia;
- Barton W. Browning, chair, University Faculty Senate and associate professor of Germany;
- Corrinne Caldwell, campus executive officer, Penn State Mont Alto Campus;
- Nancy M. Cline, dean of the University

Libraries;

— James P. Dailey, graduate student in aeronautical engineering;

— Carol Herrmann, senior vice president for administration;

— Peter C. Jurs, chair elect of the University Faculty Senate and professor of chemistry;

— Paul S. Kasper, undergraduate student majoring in accounting;

— Gregory N. Huckstep, undergraduate student majoring in biology;

— Gary L. Lilien, distinguished research professor of management science;

— Robert N. Pangborn, immediate past chair, University Faculty Senate and professor of mechanical engineering; and

— James F. Smith, professor of English/American studies, Penn State Ogonitz Campus.

Mr. Schreyer is chair of the 11-member Trustee Presidential Selection Committee that authorized the establishment of the Presidential Search and Screen Committee.

The Search and Screen Committee, he said, will advertise the search for a new president and receive and screen applications and nominations. Ultimately, it will submit to the Selection Committee a list of top candidates. The Selection Committee will select a final candidate and submit that name to the full Board of Trustees for confirmation.

Both committees will serve until Dr. Thomas's successor assumes office.

## All-University conference to highlight achievements of drug and alcohol prevention

The University will hold its first ever all-University conference on "Celebrating Success: Successful Approaches to Combating Alcohol and Other Drug Abuse" from 9:30 a.m. to 4 p.m. Tuesday, Oct. 4, at the Nittany Lion Inn on the University Park Campus.

With 22 campuses across the state, Penn State has unified policies on drug and alcohol, but a very mixed bag of successes in its individual campus prevention and intervention programs. With a recent grant of \$40,000 from the Fund for the Improvement of Post-Secondary Education through the U.S. Department of Education, the University is establishing a systemwide consortium of faculty staff and students to address drug and alcohol issues through video conferencing, educational programs, town meetings and program development. The Oct. 4 conference is essentially a kick-off for those activities.

Open to students, faculty and staff at all locations, the conference

**"We want to break down the denial that alcohol and drug use is a problem and reinforce strategies that are effective in addressing these issues."**

Natalie Croll  
conference coordinator

includes complimentary lunch with pre-registration. Participants are welcome to attend workshop sessions as their schedules permit. Lunch reservations are limited and will be confirmed on a first-come basis.

"The conference will highlight the successes that Penn State has achieved in fighting alcohol and other drug abuse problems. It will give participants a chance to share information on strategies that work and to help define where we are going with intervention and treatment, prevention and faculty, staff and student issues. A resource room featuring exhibits of successful Penn State approaches will be open throughout the day.

The keynote speaker will be Dr. Richard P. Keeling, director of University Health Services and professor of medicine at the University of Wisconsin-Madison. Dr. Keeling directs a complex, comprehensive health program that incorporates traditional medical and nursing services, multi-disciplinary counseling and consultation services with prevention programs, including health promotion, community health and environmental health, as well as a major health education resource center, the Wisconsin Clearinghouse.

He is past president of the American College Health Association, the Foundation for Health in Higher Education and the International Society for AIDS Education. He graduated Phi Beta Kappa from the University of Virginia in English and received his medical degree from Tufts University School of Medicine, completing residency at Virginia.

The conference workshops are organized in three tracks targeted at helping faculty, staff and student leadership understand the issues in drug and alcohol use and how to support the "doers"—the fraternity social chairs, health service nurses, residence hall assistants, security

See "Conference" on page 5



## DIVERSITY

# Day-long workshop Oct. 1 to deal with issues facing women in science and engineering

WISE Voices, a one-day workshop on issues that concern women in the sciences and engineering will be held from 9 a.m. to 1:30 p.m. Saturday, Oct. 1, at the Nittany Lion Inn on the University Park Campus.

Workshop subjects are: Mentors can make or break your career as a graduate student; who am I supposed to be?; moving from stereotype to a more authentic self; industry takes the lead for women in science and engineering; productive collaborations between home and work; is it because I'm a graduate student or because I'm a woman?; tenure track: jumping through all the hoops; the mind has no sex: gender issues in the construction of science and scientific research; reinventing your career without losing momentum, the Central Pennsylvania challenge.

During a dessert and networking period at the end of the conference, Londa Schiebinger, director of Penn State's newly established WISE Institute, and Sharon Luck, assistant director, will be introduced.

WISE Voices is chaired by Barbara Shannon, associate dean of the Graduate School. Members of the planning

committee include Nina Berry, Jean Brechley, Lisa Brown, Kate Freeman, Renee Diehl, Simin Pakzad, Sharon Luck, Gina Pighetti, Susan Trolter McKinstry, Richard Devon, and Karen Wynn. The conference will not only celebrate the breakthroughs that women in academia have already made at Penn State, it also will work towards developing a sense of community among women in science and engineering at Penn State.

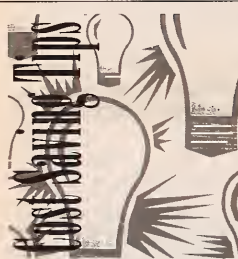
The Pennsylvania Space Grant Consortium is inviting graduate students, faculty members and staff in the colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, and the Eberly College of Science to attend. Registration fee is \$3 for graduate students and \$5 for others. Register now by contacting Karen Wynn at 863-8286 (phone or fax) or kww8@psuvm.psu.edu or at 101 S. Frear, the Space Grant office. Registration on the day of the conference, while possible, cannot guarantee that lunch will be available.

## DIVERSITY BRIEF

Ingrid M. Blood, associate professor of communication disorders and chair of the Commission for Women, will speak on "Women at Penn State: The Early 90s" at a meeting of Professional Women at Penn State at noon Tuesday, Sept. 20, in the Memorial Lounge of Eisenhower Chapel on the University Park Campus.

Dr. Blood also will discuss the role of the Commission for Women at Penn State and child care on the University Park Campus.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters. The group welcomes attendance by both male and female persons in all job and student classifications at the University.



■ Review multi-part forms to see if you really need all those parts.

Following are cost savings tips submitted by Philip Melnick, manager, Support Operations and Special Programs, Office of Physical Plant.

■ Create public or private mailing lists on E-mail. We do this in the Office of Physical Plant and save literally thousands of sheets of paper each year.

■ Route reports. Only a few people actually need a file copy of reports. Find out who needs their own copy and then route a couple of reports to the rest of the individuals.

■ Update distribution lists for reports by periodically asking people who receive the reports to return the cover page if they want to continue receiving the report. Also eliminate cover pages altogether if you can.

■ Create "Read Files" to circulate important but not time-critical information.

■ Reformat computer reports to not waste paper. Edit reports that print only a few columns of information by repeating columns several times on a page. Also eliminate header and trailer sheets.

Following are cost savings tips submitted by Loren D. Tukey, professor emeritus of pomology:

I have in my computer files various letterheads, including Penn State's. These are called-up using Heading alias on my Macintosh. Letterheads are locked, eliminating possible errors. A FAX is easily filed as a letter.

■ One heading is used for faxing to eliminate the cover page.

■ Another is various letterheads for notes and inter-office correspondence. (See example at right.)

■ A FAX formatted item is easily sent by mail, if important.

■ The FAX format also dresses up the correspondence, and keeps everything together.

Also I save paper by using the back of LaserWriter start-up paper, copier paper (recovered much), and other paper which normally would go into File 13. The backs are used as working-paper in the development of a finished letter, map, table, and chart, and in formatting material in desktop publishing. Nothing is thrown away until both sides are used. Fortunately, I have my own LaserWriter, and handle all my correspondence, and other material.

An item to the FAX font: I use Helvetica-10 (not in bold) as the font and point because it gives the darkest and clearest type after FAX transmittal. Clarity is important, especially to foreign countries.

Example of Dr. Tukey's paper-saving notes. This note, sent as a sample, is actually 3.5" X 8.5", but has been reduced here for display purposes.

This note was made by printing in the landscape mode (lengthwise) across the unused bottom portion of a used sheet of paper. This size fits easily into a #10 envelope, or can be clipped to material being sent, saving the need for a cover sheet.

Dr. Loren D. Tukey  
Professor Emeritus of  
Pomology

Penn State University  
102 Tyson Bldg  
University Park, PA 16802

Date:  
To:

## 25-year Awards



Celebrating 25 years of service to the University are Penn State Erie, The Behrend College employees: Michael Chitman, head, Division of Undergraduate Studies; David Heyd, instructor in mathematics; Herbert Lauffer, athletic director; Robert Schenker, senior registrar, and Michael Slinn, associate professor of communication. Also observing 25 years at University Park is Robert Carnahan, assistant professor of sociology and director of academic affairs.

Suggestions for **Cost Saving Tips** should be sent to Bill Campbell, editor, 312 Old Main, University Park, PA 16802, or by E-Mail to [intercom\\_kln1@psu.edu](mailto:intercom_kln1@psu.edu) or [lmr@psu.edu](mailto:lmr@psu.edu).

## News in Brief

### Luncheon seminar

Mykola Ryabchouk, Fulbright scholar from Ukraine, will discuss "Ukraine Chooses Its Future: Bad or Worse?" at a brown bag luncheon seminar at noon Thursday, Sept. 22, in 102 Weaver Building on the University Park Campus. The seminar is being presented by the Center for Russian and East European Studies.

### College teaching course

The Instructional Development Program is offering the Penn State In-Service Course in College Teaching to all University faculty members, teaching assistants and instructors who are interested in developing their skills as teachers.

The seminar meets once a week to explore issues of pedagogy; share teaching experiences, and discuss some of the current literature on teaching. In addition, course activities are designed to help participants begin building individual teaching portfolios.

Two sections of the course are available: Tuesdays, 10:45 a.m. to noon, from Sept. 20 through Nov. 22, 115 Osmond Building; and Fridays, 1:30 to 2:45 p.m., from Sept. 16 through Nov. 18, 111 Classroom Building, both at University Park.

Enrollment is limited. Pre-registration is required by calling 863-2599.

### IBM Technology Fair

IBM will host a PC Technology Fair in the HUB Fishbowl on the University Park Campus from 10 a.m. to 5 p.m. Friday, Sept. 16.

The latest IBM ThinkPads, ValuePoints and PS/2s, as well as products from Atari, will be featured. Door prizes will be given away. The fair is sponsored by the Microcomputer Order Center.

### We moved!

The Small College of Business Internship Program has moved from 310Q BAB to 120 BAB II. Relocated staff include Michele Sowko, coordinator; Andora Way, staff assistant; and Linda Agostinelli, staff assistant. The phone number remains 865-2644 or 863-6161 and fax number is 863-9953.

### Volunteers sought

Volunteers are needed for a family feeding study. All food will be supplied for enrolled parent and child aged 6- to 10-year olds.

The study, which is being conducted to determine appropriate methods

for implementation of a family feeding study, is part of a larger study looking at heart disease risk from dietary intervention. You may be more likely to qualify if you have a family history of heart disease or diabetes.

Diets are supplied for three (eight-week) periods beginning at the end of September. Time between each period is given to allow for readjustment. Compensation will be provided for both you and your child if you are selected for enrollment. Please call 863-9745 to schedule an interview for both you and your child if you are interested in participating.

### Lecture series

The International Lecture Series presents its first lecture of the academic year at 9:30 a.m. Tuesday, Sept. 20, in the International Lounge, 222 Boucke Bldg., on the University Park Campus. "A Sabbath with the Dragon: Long Noses in the Customs House" will be presented by K. Thomas Berner, professor of journalism and American studies. Professor Berner recently returned from China where he studied on a Fulbright scholarship.

### University Women's Club

All women new to Penn State, including staff, faculty and spouses, are invited to attend the Fall Reception of the University Women's Club (UWC). The 1994-95 schedule of special events and activities for newcomers will be available to new members upon registration to be held 7:30 p.m. Sept. 20 at the Kern Graduate Center at University Park. For more information, contact Janet Robinson, 355-0215, or Robin Walter, 237-8775.

### Leadership Series seminar

Elizabeth Kisenwether and Todd Erdley, of Paragon Technologies, Inc., will give a seminar titled "Entrepreneurial Ventures" at 4 p.m. Thursday, Sept. 22. Ms. Kisenwether and Mr. Erdley, both former HSB Systems associates, co-founded Paragon Technologies, Inc., a high tech, start-up company that manufactures hardware support for digital video. Paragon is one of the original tenants of the Penn State Research Park.

The presentation, in 123 Electrical Engineering East at University Park, is a part of a continuing Leadership Series presented by the Leachard Center for the Enhancement of Engineering Education and the Department of Electrical Engineering.

and to establish a professional development and cultural exchange program.

"We have set up a 20-day program to give the Brazilians a glimpse into the concept of total quality in education," William Hartman, professor of education and director of the center, said. "We are confident that they will be able to go back home, evaluate their own systems and decide what will work best for them. Hopefully, this is just the beginning of an exchange program that

### Hort Show

The Penn State Horticulture Club is hosting the 81st annual Horticulture Show from 9 a.m. to 5 p.m. Saturday and Sunday, Sept. 24 and 25.

The theme for this year's show is "Keystone Colors" which focuses on the native plants of Pennsylvania. Exhibits will include wetlands and ferns, perennials, home landscape and a water garden with children's focus points and exhibit.

The show will be held in the Ag. Arena, across from Beaver Stadium at University Park.

### Office move

The Office of Regulatory Compliance has moved from 115 Kern Graduate Building to 212 Kern Graduate Building. The phone number remains 814-865-1775 and the fax number remains 814-863-8699.

### Human subjects seminar

The Office of Regulatory Compliance will provide a seminar on the "Protection of Human Subjects in Research" during the fall semester. The seminar is designed to explain the human subjects review system and will provide instruction on how to prepare a submission for review by the Institutional Review Board (IRB).

Faculty, staff, and/or students who are new to human subjects research are urged to attend. The seminar currently is scheduled in Room 101, Kern Graduate Building, University Park, at 10 a.m. Sept. 27.

The seminar also will be presented upon request for any course or interested group. It would be helpful if instructors who plan to refer a large number of students to the scheduled seminar would contact the Office of Regulatory Compliance (5-1775) to ensure adequate seating.

### Fulbright reminders

Sept. 30 is the campus deadline for the Student Fulbright competition. Completed applications should be delivered to the Undergraduate Fellows Office, 312 Willard Bldg., at University Park, by 5 p.m. For all inquiries, call 863-8199.

The deadline for the Fulbright Administrator's program in Germany, Japan, and Britain is Nov. 1. For all inquiries, call the Fulbright Program adviser, Mary Gage, at 865-0414.

## Programming and space needs of HUB/Robeson project to be identified

A HUB/Robeson Cultural Center Programming Committee has been appointed by John Brighton, executive vice president and provost of the University.

The committee, is chaired by Craig Millar, associate vice president for student affairs. Members of the committee are undergraduate and graduate students (Karen Pagan, Jennifer Dowdell, Nicole Burton, Olaf Kaufmann); faculty members (Catherine Lyons and David Gold); representatives of the Division of Student Affairs (Patricia Peterson, Melynn Klein, Leila Moore, Stanley Latta, Lawrence Young); Housing and Food Services (Thomas Gibson); Office of Telecommunications (David Beyerle); and Office of Physical Plant (Deborah Howard, Charles Bruegghebers, Stephanie Schmid).

The committee is charged with the preparation of a building program statement that will identify new space to be constructed, building renovations needed in the existing structure, program objectives, site concerns, funding considerations, and any other relevant issues related to the proposed HUB/Robeson building project on the University Park Campus.

According to Dr. Millar, groundwork for the project has been developed over the past several years by the Division of Student Affairs and an advisory group to the vice president.

He said the program statement, which is to be completed by Oct. 31, will be provided to the architectural firm selected for the project when the Pennsylvania Department of General Services releases design funds.

Anyone interested in participating in the program planning effort should contact Dr. Millar at (814) 865-7661.

## Study mission at University Park looking at total quality in education

Forty-five Brazilian principals, school administrators and faculty have been visiting University Park this month as part of a study mission and exchange program hosted by the Center for Total Quality Schools in the College of Education.

Funded by the Brazilian government and South American corporations, the study mission was developed to introduce Brazilian educators to the primary points of Total Quality leadership

will benefit all involved for many years."

The program has included an introduction to the American system of basic education as well as orientation training for total quality leadership and strategic planning in education. The group has visited more than a half-dozen schools and in Washington, D.C., they met with representatives of the American Association of School Administrators, the U.S. Department of Education, the National

Performance Review and the U.S. Department of Commerce.

In addition, Janet Belletti, senior consultant of the Knightsbridge Group, Inc.; Robert Kulle, manager of Manufacturing Systems and Site Services; and Howard Wilson, director of Market-Driven Quality, of IBM, and Steve Groves, plant manager of Corning Asahi Video Products, addressed the Brazilians on quality, customer relations and innovation.



## LEADERSHIP PROFILE



David N. Wormley, dean of the College of Engineering.

Photo: Greg Grieco

“THERE ARE MANY WAYS TO MEASURE PROGRESS,” ACCORDING TO DAVID N. WORMLEY, DEAN OF ENGINEERING.

“You can do it with numbers, by comparing past with future growth, or, more subjectively, by assessing the quality of people and the effort they make.

“The College of Engineering is doing well by all measures.”

Dean Wormley points out that when he came to Penn State two years ago, a strong foundation for continued growth was well-established.

Long respected nationally as an educator of engineers, the college, during the past ten years, has continued to initiate innovative new programs. An increase of 40 percent in faculty numbers has greatly improved the faculty-student ratio while creating new research thrusts.

At the graduate level, enrollment more than doubled and research activity rose from \$10 million to \$35 million. The graduate engineering program ranked 13th among all universities in the nation in a *U.S. News and World Report* survey. Practicing engineers ranked it 11th in the same survey.

“The college is providing national leadership in engineering education and research,” Dean Wormley points out.

The opportunity to make a personal contribution to this process

helped bring Dean Wormley to State College after a 30-year association with the Massachusetts Institute of Technology.

He holds B.S., S.M., and Ph.D. degrees from MIT, where he also served as a faculty member and department head in mechanical engineering and as associate dean.

“I was originally drawn to engineering,” he continues, “because it seemed to me that engineers were problem solvers and builders. And in academia, you can not only help develop the knowledge base for the profession but also shape the future as you work with young people.”

The practice of engineering today presents special challenges to educators who have to frame programs in the light of rapidly shifting national priorities and demographics.

A graduating engineer enters an economy where national resources are being redeployed from defense to domestic industries, where corporations, in the face of global competition, are downsizing, and where fiscal constraints are paramount in both national and state budget planning.

“Each of these external factors has an impact on our profession,” Dean Wormley says, “and there is very strong support nationally for reviewing and revitalizing undergraduate engineering education. We also must attract more women and

## DAVID N. WORMLEY

### PROVIDING SOLID FOOTING FOR TOMORROW'S ENGINEERS

“PEOPLE ARE THE REAL KEY TO THE SUCCESS OF ANY ORGANIZATION ...AND BY THAT MEASURE, WE'RE FORTUNATE.”

minority students — people now underrepresented in the profession.

“We have received substantial support for curriculum redesign through ECSEL, a seven-member university coalition funded through the National Science Foundation, and the Leonhard Center for Enhancement of Engineering Education.

“These efforts are bringing about substantial changes in the first year experience,” Dean Wormley continues. “Our introductory engineering graphics course now offers students an active learning experience in which they design and construct an engineering project. We also are stressing the concept of working in teams because that is the way much of today's practice is organized.

“From the very beginning of their academic program, we want our students to have an overview of what being an engineer entails, so they can better appreciate the creative aspects of the profession.

“Effective practitioners recognize that they are part of a greater society that affects the use of technology even as it is being changed forever by that technology.”

Giving students a thorough grounding in engineering principles and the basic sciences is an important component of curriculum renewal, in Dean Wormley's view. Only then can they develop the flexibility necessary to handle emerging new technologies and a career that studies have shown may include as many as eight job changes.

The college also is placing increased emphasis on the development of communication skills in writing, speaking and the use of graphics. These skills are not limited to English. Because engineering is

increasingly conducted by international students, the college provides students with opportunities to learn German and French and to study abroad.

At the graduate level, a major new initiative is the Teaching Fellows Program, directed specifically at doctoral students who plan academic careers. It was developed as a pilot program by mechanical engineering. Dean Wormley explains:

“Prospective faculty members need someone to show them what it takes to develop a set of courses or how to generate research proposals and get support for graduate students. Seminar speakers discuss issues that are important in career development such as how to network with others in a discipline.”

Faced with a shrinking job market in the large engineering firms that once routinely hired hundreds of Penn State graduates, the college is increasing its cooperative activities with medium-sized and smaller companies. These contacts will be enhanced by a new master's degree program focusing on quality in manufacturing that Engineering is designing with The Smeal College of Business.

Because corporate R&D efforts also are contracting, along with the national defense budget, Engineering has focused its research goals by identifying a set of strategic areas corresponding to national and state priorities. Interdisciplinary research teams, including investigators from other universities as well as from business and industry, already are in place and have achieved national recognition in critical areas such as manufacturing and materials.

“The National Technology Reinvention Program has funded three

See “Wormley” on page 5

PENN STATE





# CQI

CONTINUOUS  
QUALITY  
IMPROVEMENT

## Benchmarking

Last July, Penn State's deans, vice presidents and other unit heads received a memo from Provost John Brighton requesting that their 1995-96 strategic plan updates focus on three primary areas. One of the areas was benchmarking and assessment.

In 1994-95, benchmarking was an important aspect of strategic planning. The steps that have been taken by units to move forward in this area will be described in their strategic plan updates for the 1995-96 academic year, which are due Jan. 9, 1995.

To provide assistance with the continuing development of benchmarking plans, three new "brown bag" lunchtime discussions on benchmarking will be offered through the CQI Center and the Human Resources Development Center this fall. On Sept. 21, Gregory Lozier, executive director of planning and analysis, will lead a discussion of the critical link between benchmarking and strategic planning, and how to select processes within a unit that support its strategic goals.

On Oct. 5, David Christy, associate professor of management science, will lead the noontime discussion on the relationship between process benchmarking and comparative analysis.

Gloriana St. Clair, associate dean in the University Libraries, will identify process measures and sources of data for benchmarking on Oct. 19. Dean St. Clair will focus the discussion on customers and the indicators used to evaluate how well their needs are being met.

All three speakers will use examples from Penn State's 1994-95 unit benchmarking plans to illustrate their remarks.

The Wednesday lunchtime discussions will be held in the Alumni Lounge in Old Main on the University Park Campus between 12:30 p.m. and are being offered free of charge. To register for one or more of these sessions, please call the HRDC at 865-8216.

## Appointments

### Scholar in Residence at Harrisburg

Ernest K. Dishner, former associate provost and dean of faculty at Penn State Harrisburg, has been appointed 1994-95 scholar-in-residence at the Penn State Downtown Center.

The program promotes Penn State Harrisburg resources in the metropolitan Harrisburg area and is designed to develop relationships between College faculty and state and local government officials, business professionals, and education and community leaders. The program also encourages faculty research and project activity in areas of public policy interest.

Dr. Dishner served as associate provost and dean of the faculty at Penn State Harrisburg from May, 1990, to February, 1994. Prior to his appointment at Penn State Harrisburg, he served six years at Southwest Texas State University where he was professor and dean of the School of Education.

He received his bachelor of science degree in speech and drama as well as his master of arts degree in reading education from East Tennessee State University. He earned his doctorate of education in reading education from the University of Georgia in 1973.

### Behrend admissions counselor

Melissa Grimm has been appointed admissions counselor at Penn State Erie, The Behrend College. Her duties will include first-year and minority student recruitment.

For the past five years, Ms. Grimm served as director of the Broadhead Cultural Center at the Penn State Beaver Campus. She holds a B.S. in elementary education from Penn State.

### Great Valley publications specialist

Dawn Ann Woodring has been appointed publications specialist at Penn State Great Valley.

In her new role, Ms. Woodring will work with a team to coordinate the production of publications and advertising for Penn State's three Philadelphia area campuses—Delaware County, Great Valley, and Ogontz.

A Penn State graduate, she also attended the University of Baltimore. Prior to joining the Great Valley staff, she served as an editor at W.B. Saunders Company, Philadelphia.

## Conference

continued from page 1

personnel and others who are working on these issues.

"We want to break down the denial that alcohol and drug use is a problem and reinforce strategies that are effective in addressing these issues," said conference coordinator Natalie Croll, assistant director of the Office of Health Promotion and Education and an adjunct faculty member in counselor education. Workshop facilitators will include faculty staff and students from all locations. Three concurrent sessions are scheduled for each time period. The schedule is:

11:30 a.m.:  
— A Unified Response to Alcohol and Other Drug Problems on a College Campus: Alcohol, Tobacco and Other Drug Issues Among Students of Color

— C.A.R.E., Campus Awareness Through Responsible Education  
— Breaking the Silence, The Truth About Alcohol, Tobacco and Other Drug Use at Penn State, "Say Something"

1:30 p.m.:  
— Legal Information as a Preventative Tool: Take Pride in Yourself, Take Care of Yourself: Alcohol and the Lesbian, Gay, Bisexual Community.  
— A Student Assistance Program

— Curriculum Infusion Survey

2:20 p.m.:  
— "Building Blocks" Programming on Alcohol and Sexual Assault; A Rural Community Coalition's Campaign to Prevent Alcohol, Tobacco and Other Drugs.

— The Role of AA in the Treatment of Alcoholism and Other Diseases at Colleges and Universities  
— Faculty/Staff Health Promotion: An Overview of the New Penn State Employee Assistance Program.

3:30 p.m.:  
— Community Coalitions for Tobacco Free Youth; Life Skills for Student Athlete Success.

— Addictions in College Populations  
— HealthWorks presents Sex Under the Influence

Conference exhibitors include a number of off-campus agencies such as Wellspring From On Drugs, DUI Association, Alcoholics Anonymous, Pa. Region of the National Network of Colleges and Universities Committed to the Elimination of Substance Abuse, Community Coalitions for Tobacco Free Youth, SADD and State MADD, Cheer the Penn State Dairy Club promotion of non-alcoholic beverages, as well as Penn State programs such as the peer education program, HealthWorks, Housing and Food Services, the Natatorium program, Lion's Share, and others.

To register, please fill out the registration form below, or call Natalie Croll or staff assistant Ann Hollender at 814-863-0461.

### CONFERENCE:

"Successful Approaches to Combating Alcohol and Other Drug Abuse"

Oct. 4  
Nittany Lion Inn

Name:

Address:

City Zip

Office Phone:

Fax:

E-Mail:

Will you be attending the luncheon? ☐ yes ☐ no

Please return to:

Susan Kennedy  
University Health Service  
237 Rittenour Building  
University Park PA 16802

## Wormley

continued from page 4

of our new proposals," Dean Wormley points out, "and our research — and teaching — efforts will be further enhanced when plans for our two new West Campus buildings are realized.

"The new space will offer advanced laboratories that are of world class quality to provide facul-

ty and students with unique opportunities to experiment and learn."

Contemplating the many initiatives Engineering has put into play, Dean Wormley is confident that the college is on track to fulfill its goals.

"People are the real key to the success of any organization," he continues. "And by that measure, we're fortunate. Our people — students, faculty, staff, alumni, industry partners — insure that our momentum and our traditions will not only continue but also gather thrust."

Dean Wormley and his wife, Shirley, have found little difficulty in adjusting to a new home after their long sojourn in Massachusetts.

"We enjoy hiking and playing tennis," he says. "I also like to build things. I had my workbench finished even before we got into our house."

The Wormleys have two daughters. Linda earned her degree at MIT, while Janet recently received an MBA from The Smel College of Business.

## Fulbright Scholars studying at University Park

Five Fulbright Scholars from Ukraine, Poland and Romania are on the University Park Campus now or are coming this year to teach and conduct research with colleagues at Penn State under the sponsorship of the J. William Fulbright Foreign Scholarship Board and the United States Information Agency.

"Penn State is indeed fortunate to attract international scholars of such high quality," W. LaMar Kopp, deputy vice president for international programs, said. "They enrich our faculty with collaborative research and help students develop a broader understanding of world issues."

Fulbright grants to the United States are awarded on the basis of international competition and a peer review conducted by the Council for International Exchange of Scholars. The program represents a significant part of the federal government's

commitment to international education exchange. On returning to their home institutions, Fulbright Scholars will share their experiences at Penn State through seminars, meetings and publications.

Danuta Maria Kisperska-Moron, assistant professor in the Department of Business Logistics at the Academy of Economics, Poland, is conducting research in business logistics management. She is working with Alan Stenger, associate professor of business logistics, and will be at Penn State throughout the academic year.

Four of the scholars will be working with Michael Naydan, professor and head of the Department of Slavic and East European Languages.

Volodymyr Dibrova, a lecturer in the Department of Slavic and East European Languages at the University of Kiev, Ukraine, is on campus through January to lecture on East-

ern European literature and Ukrainian culture.

Mykola Riabchouk is the deputy editor-in-chief of VESVIT, the *Journal of Foreign Literature*, Ukraine, and his research focuses on "Civil Society and State/Nation-Building in Post-Colonial Countries: The Ukrainian Case." He will be on campus for the Fall Semester.

Maria-Ana Tupan, assistant lecturer in the Department of English at the University of Bucharest, Romania, will be lecturing on post-war Romanian literature during the Spring Semester.

Maria Zubrytska, assistant professor in the Department of Ukrainian Literature at the University of Lviv, Ukraine, will focus her lectures on "Ukraine Today: Ukrainian Culture and Literature." She will be at Penn State from January to May.

## Faculty/Staff Alert

### HRDC courses

#### INTRODUCTION TO IBIS (IBM)

This course is designed to enable new users to use IBIS (Integrated Business Information System). Specifically, it will help participants use a GREQ and VRES form, create and approve electronic forms, recall forms from the IBIS database, and act as a proxy approver. Meets Monday, Sept. 26 from 1-4 p.m., in 116 Wagner; cost \$40.

#### PLANNING AND LEADING ORGANIZATIONAL CHANGE

This course provides participants with a framework and guidelines for leading their organizational areas and through the process of organizational change. It provides practical tips and guidelines for all stages of the change process—from initial vision to completion. It will help them to recognize key principles of successful change, facilitate meetings that promote change, and develop a systematic plan for implementing change. Meets Monday, Sept. 26 from 8:30 to 11:45 a.m., in 319 Rider; cost \$35.

### POWERFUL COMMUNICATION SKILLS

This course provides participants with skills and strategies for developing a more powerful communication style. It focuses on components of confident communication and provides examples of passive, assertive, and aggressive behavior. Role playing will be used in order to demonstrate different communication styles. Meets Monday and Thursday, Sept. 26 and 29 from 1:15 to 4:45 p.m., in 319 Rider; cost \$55.

### SHOULD WE IMPROVE, OR REENGINEER THE PROCESS?

This course (formerly titled "Incre-

mental Improvement or Process Innovation?) will help participants understand the difference between incremental process improvement and process innovation, which seeks a "breakthrough" by structuring work in a significantly different manner. Participants will learn to differentiate between incremental process improvement and process innovation, and approach process improvement with an open mind, considering both incremental improvement and innovation. Meets Tuesday, Sept. 27 from 1:30 to 4:30 p.m., in 319 Rider; cost none.

### IMPROVING YOUR PERSONAL EFFECTIVENESS

Based on the best-selling book by Stephen Covey, *The Seven Habits of Highly Effective People*, this course offers step by step guidelines for taking control of both your personal and professional life. It will examine the habits and strategies necessary for personal effectiveness and show how to integrate these habits into your life. Meets Tuesdays, Sept. 27 and Oct. 4 from 8:30 to noon, in 319 Rider; cost \$55.

### STANDARD FIRST AID AND CPR

This course is designed to give practical instruction and experience in the fundamentals of cardiopulmonary resuscitation (CPR) and basic first aid. It will help participants to recognize and check a victim, properly call for help, and provide care to a victim. Topics discussed are choking, bleeding, burns and broken bones, and cardiac arrest. Employees enrolled in HealthAmerica's Health Maintenance Organization may be reimbursed for personal costs for this course. Meets Tuesdays and Thursdays, Sept. 27 to Oct. 6, from 9 to 11:30 a.m. or 1:15 to 3:45 p.m., in 321 Huber; cost \$20.

### SELF-ESTEEM: BUILDING YOUR CONFIDENCE

Self-esteem affects the way you live. It affects the way you think, act, and feel about yourself and others as well as how successful you are in achieving your goals in life. Ways to enhance your self-esteem will be explored during this workshop. Participants will learn to replace negative thoughts with positive ones, and respond appropriately to criticism. Meets Wednesday, Sept. 28, from 9 a.m. to 4 p.m., in 319 Rider; cost \$55.

### USING EMC2/TAO

This course is designed to enable participants to use the electronic mail system supported by the Office of Administrative Systems (OAS). More specifically, it will help participants create, read, edit, delete, forward, and answer file mail messages, create private mailing lists, learn about user forms, and much more. Meets Friday, Sept. 30, from 9 a.m. to noon, in 116 Wagner; cost \$40.

### SECURITY TIPS FOR OFFICE PERSONNEL

The Security for the Office Personnel (STOPO) program which focuses on office and personal security, consists of a video and discussion period and lasts about 45 minutes. The Department of University Safety sponsors this course and distributes informative brochures to all participants. The course will help them to recognize office and personal security problems, use strategies to prevent potential theft or personal assault, and identify available resources. Meets Monday, Oct. 3 from noon to 1 p.m., in 319 Rider; cost none.

### PENN STATERS

Philip A. Klein, professor of economics, presented a paper titled "Developing Indicators for Forecasting in the Steel Industry," at the 14th International Symposium on Forecasting at the Stockholm School of Economics, Stockholm, Sweden. He presented another paper, "Instrumental Valuation in a Democratic Society" (with Edythe S. Miller), at the Sixth Annual International Conference on Socio-Economics at Joey-en-Josas, France.

Three members of The Smeal College's Department of Finance took part in the European Finance Association meetings in Brussels, Belgium. Department Chair William A. Kraac presented a paper on "Corporate Takeovers, Firm Performance, and Board Composition." Chris J. Muscarella, associate professor of finance, made a presentation titled "Stock Splits: Signalling or Liquidity? The Case of ADR Solo-splits." Dennis P. Sheehan, holder of the Virginia and Louis Benzak Professorship of finance, presented the paper, "Price Elasticity Wispes."

Aklesh Lakhtakia, associate professor of engineering science and mechanics, served the Science Committee of CHIRAL '94, 3rd International Workshop on Chiral, Bi-isotropic and Anisotropic Media in P.riuguex, France. He co-chaired the opening session and authored or co-authored four presentations at the international workshop.

Mary S. Mander, associate professor of communications, delivered a paper, titled "The Relationship between History and Ideology," at the International Association of Media and Communications Research in Seoul, Korea. At the meeting she was elected president of the history section.

Gayle Morris, lecturer in economics at Penn State Erie, The Behrend College, received a Faculty International Travel Fund Grant from the Midwest Universities Consortium for International Activities to take part in the United States Agency for International Development (USAID) Mission in Kampala, Uganda, where she presented the paper, "The Role of Gender in the Use of Financial Markets in Uganda." In Accra, Ghana, she gave another paper, "The Use of Financial Markets by Female and Male Owners of Small- and Medium-Sized Firms Across Four Subsectors in Ghana."

Jorge Pullin, assistant professor of physics, presented two talks titled "Recent Developments in Loop Representations" and "Some Thoughts on the Choptuik Effect" at the Max Planck Institute for Astrophysics in Germany.

Lee Smolin, professor of physics, presented a plenary talk, titled "Loop Representation and the Physics of the Planck Scale," at the International Conference on Quantum Concepts in Space and Time, sponsored by the London Mathematical Society in Durham, England.



## Partings

# Professor retires with emeritus status after 40 years with University

Donald H. Ford, professor of human development in the College of Health and Human Development, has retired as professor and dean emeritus. His tenure at Penn State has spanned 40 years and three career paths.

Early in his career, he was a clinical and counseling psychologist. He came to Penn State in 1954 as coordinator of counseling services in the then-new College of Business Administration. He was a faculty member in the Department of Psychology from 1955 to 1967 and served as coordinator of the department's Psychology Training Clinic for a year.

Dr. Ford helped create the Division of Counseling and served as assistant director and then director of that unit. He was director of the Placement Service and director of the Office of International Students. He also was coordinator of Student Services.

He began in academic administration in 1965 when he served as special assistant to the president for federal affairs and co-authored the first master plan for higher education for the Pennsylvania State Board of Higher Education. From 1967 to 1977 he served as the founding dean of the former College of Human Development.

Dr. Ford chaired the committee on the State Plan for Higher Education for the Pennsylvania Association for Colleges and Universities, and served on the Governor's Task Force on Rehabilitation, the Governor's Task Force on Block Grants, and the White House Conference on Nutrition planning committee. A former adviser to the secretary of the



Donald H. Ford

Pennsylvania Department of Public Welfare, he also was an officer and board member of the United Way of Pennsylvania.

Dr. Ford resigned as dean in 1977 to focus on teaching and scholarly work. He has published a two-volume set of textbooks titled *Humans as Self-Constructing Living Systems*. He co-authored the volume, *Humans as Self-Constructing Living Systems: Putting the Framework to Work*, with his son, Martin E. Ford, a faculty member at George Mason University.

In addition, he co-authored the book *Development Systems Theory: An Integrative Approach* with former Penn State faculty member Richard M. Lerner, director of the Institute for Children, Youth and Families at Michigan State University. Dr. Ford and Hugh Urban, professor emeritus of human development, are currently writing the second edition of *Systems of Psychotherapy: A Comparative Study*—a book first co-authored in 1963.

Dr. Ford, a faculty member in the Department of Human Development and Family Studies since 1967, has served as acting head of the Department of Communication Disorders and of the Graduate Program in Biobehavioral Health in the College of Health and Human Development.

He is a Fellow of the American Psychological Association and has served in several roles for several psychological journals. He is a member of the American Men and Women of Science, the Eastern Psychological Association, American Association for the Advancement of Science, Phi Kappa Phi, Pi Mu Epsilon and Phi Delta Kappa.

He holds a bachelor's degree in mathematics and a master's in psychology from Kansas State University, and a doctorate in clinical psychology from Penn State.

Dr. Ford plans to continue to teach one or two graduate seminars a year and to continue his scholarly writing.

## Spanish professor ends 25-year career

Luis F. Gonzalez-Cruz, professor of Spanish at the Penn State New Kensington Campus, has retired with emeritus status after 25 years service.

He received M.A. and Ph.D. degrees in Hispanic languages and literature from the University of Pittsburgh. He joined the New Kensington Campus in 1969 as an evening campus administrator and then was named instructor in Spanish. He was promoted to professor in 1979.

A prolific writer, Dr. Gonzalez-Cruz is the author of nine books and currently is working on three more. He was honored as one of the top 50 Hispanic writers living in the United States.

## Emeritus rank bestowed on professor after 30 years

Joseph C. Flay, professor of philosophy, has retired with emeritus rank after 30 years service.

A graduate of Penn State, he received a Ph.D. in philosophy from the University of Southern California. He joined the University faculty in 1963.

Dr. Flay, who specialized in the philosophy of G.W.F. Hegel and in metaphysics and political philosophy, served as president of the Hegel Society of America from 1986 to 1988. He published on Hegel, Dewey, and the Greek poet Nikos

At the campus, he received the Director's Award for Outstanding Academic Achievement in 1973 and the Excellence in Teaching Award in 1988. Among his other honors are the Mairone Poetry Prize and the Golden Letters Award.

Dr. Gonzalez-Cruz is a member of the Modern Language Association, Circula de Cultura Panamericana, Latin American Studies Association, American Association of Teachers of Spanish and Portuguese, Institute International de Literatura Iberoamericana, and the Northeast Modern Language Association.

Kazantzakis. His most recent publications have centered on theory of space-time.

Dr. Flay taught both undergraduate and graduate courses and participated in Summer Labor Studies programs for Continuing Education for 14 years. He served on the University Faculty Senate and numerous committees at the department, college and University level.

He plans to continue to write and to lecture. His major project is a theory of space-time.

## Hershey employees end long-standing service

Barbara Hutchinson, assistant manager of clinical labs at The Hershey Medical Center, has retired after 23 years service.

Prior to joining the Medical Center as the chief technologist in the chemistry section, Ms. Hutchinson worked as a medical technologist or as part of management at various hospitals in Wisconsin, Florida, and New York.

She plans to be busy traveling around the country in her retirement.

Pat Pichini, supervisor of computer center operations for Information Systems at The Hershey Medical Center, has retired after 23 years service.

Ms. Pichini joined the Medical Center staff in 1970 after working with computers at Servation and Mackey vending companies. As supervisor of computer center operations, her responsibilities have included assisting other employees throughout the hospital with computer problems; scheduling production jobs, such as payroll and billing changes, through the mainframe; and filling special requests for individual departments.

In retirement, she plans to spend more time with her three grandchildren, take vacations, catch up on old hobbies, such as reading and gardening, and begin new ones like building miniature doll houses.

MaryLou Sears, nurse clinician in the Department of Nursing at The Hershey Medical Center, has retired after 22 years service.

Before coming to the Medical Center in 1971, she worked at a Veterans Administration hospital in Syracuse, N.Y. At Hershey, she worked on the third floor with medical/surgical patients for approximately 20 years before transferring to the Same Day Admissions unit where she cared for post-operative patients.

After a summer concert tour to Italy with the Hershey Community Chorus, she is "looking forward to getting caught up on painting and gardening." She says she also may volunteer at the Medical Center or get involved as a volunteer in a local literacy program.

## English professor departs with 32 years at University

Audrey T. Rodgers, professor of English, has retired after 32 years service.

A graduate of Hunter College, he received her M.A. and Ph.D. in English at Penn State. She joined the English Department faculty as an instructor in 1961.

Dr. Rodgers' fields of specialization are 20th century American poetry and women's literature. Her books include *The Universal Drum: Dance Imagery in the Poetry of Eliot, Crane,*

*Roethke, and Williams (1979),* *Virgin and Whore: The Image of Women in the Poetry of William Carrolls Williams (1987),* and *Denise Levertov: The Poetry of Engagement (1991).*

Dr. Rodgers was a key figure in the establishment of Penn State's Women's Studies Option in 1979, serving as both co-chairperson and advisory board member. The option became a program in 1980.



# The ARTS

AT PENN STATE

## Museum lecture

Philipp Fehl, of the University of Illinois, Urbana-Champaign and the Ciognara Project, The Vatican Library, will present "The Rhetoric of Grace: Old and New Approaches to the Art of Correggio" at 5 p.m. Tuesday, Sept. 20, in the Palmer Dixon Auditorium of the Palmer Museum of Art on the University Park Campus.

The lecture is the first of the series, "The Renaissance from Milan to Venice: Discoveries in the 15th and 16th Century Art of Northern Italy," sponsored by the College of Arts and Architecture, Department of Art History and the Institute for the Arts and Humanistic Studies.

Dr. Fehl, who came to the United States from his native Vienna in 1940, received his Ph.D. from the University of Chicago, where he taught from 1951-63. As a professor of art history at the University of Illinois, Urbana-Champaign from 1969, and Professor Emirate since 1990, he divides his time between the United States and Rome, where he is currently editor of a project to make available on microfilm the Vatican Library's holdings of the art library of Count Leopoldo Cicognara (1767-1834).

The lecture is free to the public.

## Bassoon Ensemble

The Penn State Bassoon Ensemble, under the direction of Daryl Duran, associate professor of music, will perform in concert at 12:10 p.m. Thursday, Sept. 22, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The program will include music by Vivaldi, Dondey, and Frescobaldi. The ensemble consists of six members, all of whom are music majors.

The audience is invited to take a

brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## Two-piano program

Pianists Carl Blake and Cherie Curry will present a two-piano program at 8 p.m. Friday, Sept. 23, in the School of Music Recital Hall on the University Park Campus. They will be accompanied by the Penn State Philharmonic Orchestra conducted by Pu-Qi Jiang.

Dr. Blake is assistant professor of music and associate director of the Institute for the Arts and Humanistic Studies. Professor Curry is professor of music at San Jose State University. Professor Jiang is associate professor of music at Penn State.

The program will feature two concertos by J.S. Bach and Poulenc and major solo piano works by Chopin. The concert is free to the public.

## Castalia Trio

The Castalia Trio has released a new recording on compact disc titled, "Classical Jewels." The collection was recorded at the University Park Campus and produced and distributed in the Czech Republic by Skvrna Records.

Established in 1991, the Castalia Trio unites James Lyon, violin; Kim Cook, cello; and Marylene Dosse, piano. All three musicians are members of the College of Arts and Architecture School of Music faculty.

## Art school

New classrooms in the recently renovated

Patterson Building on the University Park Campus are the site for the Saturday Morning Art School (SMAS). The school includes a seven-course program of fall art classes for children and teenagers.

SMAS is currently taking registration from 9 a.m. until 4 p.m., Monday through Friday at 865-6570. Registration is on a first-come, first-served basis and is assured upon receipt of an enrollment check. The cost is \$25 for children and \$30 for teens. The price includes the cost of art materials and program supplies. Classes will be assigned after registration is complete.

Before the opening classes, teachers will contact students, and both students and parents will receive a letter explaining the course. New courses are being designed that will begin Saturday, Sept. 17 and continue each Saturday through Dec. 3.

Classes provide SMAS students an opportunity to create art while learning about other artists, various cultures, and the world of art. The theme of the program this fall is "A World of Diversity Where Art Can Make a World of Difference." Class sizes are limited.

## Odyssey on WFSU

On the next episode of Odyssey Through Literature, Robert Edwards discusses the complexities involved in "The Franklin's Tale" by Geoffrey Chaucer, a problematic tale of love, honor, and freedom.

Edwards and host Leonard Rubinstein explore the question that the tale poses, "who is the most free?" Edwards also explains how crucial a knowledge of Chaucer's sources are to our understanding of the tale.

Odyssey Through Literature is produced at WFSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WFSU. 91.5 FM.



ODYSSEY  
THROUGH LITERATURE

## OBITUARIES

E. Erwin Klaus, professor emeritus of chemical engineering and Merrill R. Fenske Fellow, died July 12 at the age of 73.

A graduate of Franklin and Marshall College, he received his master of arts degree in chemistry and his doctorate in chemistry, both from Penn State. He joined the University faculty in 1943 as an instructor in chemical engineering, and retired as professor emeritus Jan. 1, 1983.

Dr. Klaus was among the pioneers who developed the Petroleum Refining Laboratory at Penn State. He worked with the tribology research program at the lab throughout his career. Most recently his research involved environmental protection research, such as alcohol-fueled automobiles, lubricants made from vegetable oils, and biodegradable motor oils.

He was a fellow in the American Society of Mechanical Engineers (ASME) and the American Institute of Chemists. He was a fellow of the Society of Tribologists and Lubrication Engineers, formerly the American Society of Lubrication Engineers. He was a member of Sigma Xi, Alpha Chi Sigma, American Institute of Chemical Engineers, American Ceramic Society, and the International Tribology Council.

Dr. Klaus received a number of awards, including the 1972 Award for Outstanding Achievement in Research from the Penn State Engineering Association, the College of Engineering Outstanding Service Award in 1989, the American Society of Lubrication Engineers National Award in 1975, and the Al Seining Award from the Society of Tribologists and Lubrication Engineers in 1991.

Memorial contributions may be made to E. Erwin and Jean H. Klaus Graduate Fellowship in Chemical Engineering, 160 Fenske Laboratory, University Park.

William G. Pritchard, professor of mathematics, died July 19. He was 52.

A graduate of the University of Sydney, Australia, he received his doctorate in applied mathematics and theoretical physics from the University of Cambridge, England.

Dr. Pritchard began his academic career with a research fellowship at the University of Manchester in 1968. In 1970, he went to Colchester, England, as a founding member of the Fluid Mechanics Research Institute at the University of Essex. During 15 years there, he undertook several fundamental studies in fluid mechanics.

He came to Penn State in 1986 as a professor of aerospace engineering and mathematics. He was part of a team of scientists hired to establish a program in mechanics in the Mathematics Department. With University funding and with the help of a Kees Foundation grant, he and his colleagues established one of the only laboratories sited in a mathematics department. His reputation earned him scientific visitor offers from throughout North America and Europe.

Dr. Pritchard received a vigorous scientific career until his death, completing six of his 35 scientific papers within the past two years. In 1993, he combined his expertise in fluid mechanics and mathematical modeling with his lifelong love of track and field and published "Mathematical Models of Running."

## Private Giving

### 1993 senior class gift already in operation at University Park

Thanks to the senior class of 1993, when students returned to University Park Campus this fall, they found that an Urgent Care Department — part of University Health Services — had been opened in Ritenour Building.

More than 2,500 members of the class of 1993 donated \$172,000 for the gift. Most pledged the balance of their \$50 general deposit. The class dedicated its gift to the memory of Valerie Christien, their classmate who died during her senior year.

"The seniors realized that their parting gift would help students for years to come," said Jim Ryerson, former chair of the 1993 class gift committee. "The gift is functional, will have a long-lasting impact, and meets the real needs of stu-

dents for accessible, on-campus medical care."

Ritenour Building was built in 1928 to serve the health needs of the student body. The last major renovation was in 1953. Today, enrollment at the University Park Campus exceeds 37,600 and more than 65,000 students, staff and faculty visit the center each year. The Urgent Care Department is part of a comprehensive building renovation that will be completed in September after 15 months of construction.

The new unit, which has an entrance on Pollock Road, is open to all registered Penn State students. An appointment is not necessary. Services provided include diagnosis and treatment of acute illnesses and injuries, intravenous therapy, short-term observation, and emergency care.

# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, September 15**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Saxophone, a saxophone quartet.

University Libraries, 6:30-7:30 p.m., 102 Classroom Bldg. Using Gopher to Borrow through the Internet. Advance knowledge of Internet needed. Registration required. Also Sept. 19. Call Joyce Combs, 863-0325. Also Sept. 19.

**Friday, September 16**  
University Libraries, 10 a.m.-noon, 141 Computer Bldg. Introduction to Computer Conferencing. Advance knowledge of Internet needed. Registration required. Call Joyce Combs, 863-0325.

■ Palmer Museum Lecture, 1:30 p.m., Palmer Upper Auditorium. Patrick McGrady on "French Impressionism: The Early Years."

Gallery Talk, 2:45 p.m., Palmer Christoffers Lobby. Debra Greenleaf on "Classicism, Impressionism, and Paganism: Ancient Art at the Palmer Museum."

■ Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Malcolm Lupton on "Toward a Post-Apartheid Urban Order: Reconstructing Local Government in the Johannesburg Metropolitan Region, South Africa."

Color Slide Club, 7:30 p.m., Penn State Scantron. Bill Lester on "National Geographic Presentation of Central Pennsylvania."

**Saturday, September 17**  
Gallery Talk, 11 a.m., Palmer Museum. Jennifer Olson on "Félix Vallotton's Graphic Work."

**Monday, September 19**  
Alternatives Library, noon, 130 Willard Bldg. Don Hamilton on "A Workshop in Conflict Resolution."

**Tuesday, September 20**  
■ Applied Research Lab hosts a Technical Symposium on "Russian Advanced Materials and Marine Applications." Through Sept. 22. To register, call Ed Pope or Leanne Zindler, 865-2921.

■ International Programs, 9:30 a.m., 222 Boucke Bldg. R. Thomas Berner on "A Sabbath with the Dragon: Long Noses in the Customs House."

Professional Women at Penn State, 11:50 a.m., Memorial Lounge, Eisenhower Chapel. Ingrid M. Blood on "Women at Penn State: The Early 90s."

Center for Ethics and Religious Affairs, 7:30 p.m., Memorial Lounge, Eisenhower Chapel. N. Jean Strick on "Environmental Racism: Who Gets Dumped On And Why?" Fall reception of University Women's Office, 7:30 p.m., Kern Graduate Center. All women new to Penn State, including staff, faculty and spouses, welcome.

■ Art History, 8 p.m., Palmer Upper Auditorium. Phillip Fehl on "The Renaissance from Milan to Venice: Discoveries in 15th and 16th Century Art of Northern Italy."

**Wednesday, September 21**  
University Libraries, 6:30 p.m., 141 Comput-



**Piano duo**

Pianists Cherie Curry and Carl Blake will present a two-piano program at 6 p.m. Friday, Sept. 23 in the School of Music Recital Hall on the University Park Campus.

er Bldg. Introduction to the World Wide Web. The Nittany Mineralogical Society Open House, 7 p.m., Earth and Mineral Sciences Museum and Art Gallery.

**Thursday, September 22**  
Eighteenth Annual Small College Career Fair, 10 a.m.-4 p.m., HUB. For more information, call Doris McCoil, 865-0916. Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Creating and Facilitating Student Teams." To register, call 863-2509.

■ Center for Russian and East European Studies, noon, 102 Weaver Bldg. Mykola Ryabchuk on "Ukraine Chooses its Future: Bad or Worse?" COI Benchmarking, noon, Alumni Lodge, Old Main. Gregory Lozier on "Critical Link Between Benchmarking and Strategic Planning, and How to Select Processes Within a Unit That Support its Strategic Goals."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Bassoon Ensemble.

**Friday, September 23**  
First day of Autumn

■ Palmer Lecture, 1:30 p.m., Palmer Upper Auditorium. Patrick McGrady on "French Impressionism: The Classic Period."

Gallery Talk, 2:30 p.m., Christoffers Lobby, Palmer Museum of Art. Tom Morton on "Why Does the Palmer Museum Look the Way it Does?"

Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Shalom Staub on "Learning About Cultural Conservation and Refugee Resettlement in Pennsylvania."

Center for the Performing Arts, 8 p.m., Schwab Auditorium. American Brass Quint-

et. Tickets required, call 863-0255. School of Music, 8 p.m., Recital Hall. Duo Pianos: Carl Blake and Cherie Curry with the Penn State Philharmonic Orchestra.

**Saturday, September 24**  
Horticulture Show, 9 a.m.-5 p.m., Ag Arena. Theme is "Keystone Colors," which focuses on the native plants of Pennsylvania. Through Sept. 25. Gallery Talk, 11 a.m., Christoffers Lobby, Palmer Museum of Art. Jennifer Olson on "Félix Vallotton's Graphic Work."

## PUBLIC RADIO

**WPSU-FM 91.5**  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McPartland," Mon., 8 p.m.  
"Thisle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, September 15**  
Ceramic Science, 11 a.m., 301 Steidle. David W. Johnson on "Careers in Materials Research." Physics, 11:30 a.m., 339 Davey Lab. Abhay Ashtekar on "Holomorphic Connection Dynamics." University Libraries Seminar, 1 p.m., Tower Room 402, Central Pattee Library. Accessing LIAS From Your Home or Office. Physics, 3:30 p.m., 101 Osmond Lab. Gerald Brown on "Supernova Explosions, Black Holes and Nuclear Stars." Economics, 4 p.m., 420 Kern Bldg. Jin-Lung Lin on "Causality in the Long Run."

**Friday, September 16**  
■ Entomology, 11 a.m., 101 ASI Bldg. Nick Donnelly on "The Neobasidi Damselites of Fig. Endemic Radiation in An Oceanic Island Group."

University Libraries Seminar, 10 a.m., Tower Room 402, Central Pattee Library. Penn State Libraries Catalog in LIAS. Also Sept. 20, 1 p.m.

**Monday, September 19**  
Plant Pathology, 3:30 p.m., 110 Warlik Lab. Steven Goodwin on "Caught in the Act: Migration of Clonal Genotypes of the Irish Potato Famine Fungus."

**Tuesday, September 20**  
Particulate Materials Forum, 11 a.m., new ARIL Bldg. Auditorium. Clive Randall on "The Use of Electric Fields to Aid Particulate Assembly For Novel Electrochromic Films and Composite Applications." Science, Technology and Society, noon, 118 Willard Bldg. Nadine Gilbert on "The Practical and Symbolic Dimensions of the Plastic Football Helmet."

Chemical Engineering, 3 p.m., 140 Fenske Lab. Robin Cardullo on "Planetary Nebulae

and the Size and Age of Our Universe." Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Sara Parks on "Impact of Health Care Reform on the Nutrition and Dietetics Profession."

**Wednesday, September 21**  
Gerontology, noon, 101 Health & Human Development Bldg. East. Joan Lakoski on "Pharmacology of Serotonin in the Aging Brain." Accounting, 3:30 p.m., 333 Beam Bldg. Randy Beatty on "The Sky Is Falling: The Case of Auditor Compensation in the Initial Public Offering Market." Engineering Science & Mechanics, 3:35 p.m., 314 Hammond Bldg. Sharker Balasubramanian on "A Classical Approach to Predicting Optical Properties."

**Thursday, September 22**  
Ceramic Science, 11 a.m., 301 Steidle Bldg. Edwin R. Fuller Jr. on "Microcracking Due To Thermal Expansion Anisotropy." Physics, 3:30 p.m., 101 Osmond Lab. James Arnett on "Unconventional Superconductivity in Strange Metals."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Y. N. Lakshman on "Sparsifying Transformations for Multivariate Polynomials." Economics, 4 p.m., 420 Kern Bldg. Xiaohong Chen on "Nonparametric Adaptive Learning with Feedback." Electrical Engineering, 4 p.m., 123 EE East. Elizabeth Kisevnetzer and Todd Erdley on "Entrepreneurial Ventures."

**Friday, September 23**  
Gerontology, noon, 101 Health & Human Development Bldg. East. Elizabeth M. Zelinski on "Why Do Old People Complain About Their Memory?"

## CONFERENCES

**Thursday, September 15**  
PA Ceramics, 60 attendees, Penn State Scantron. Through Sept. 20.

**Monday, September 19**  
Storm Runoff and Quality Management, 145 attendees, The Penn State Scantron. Through Sept. 20.

Review Course for the Professional Engineering Examination of Mining/Mineral Engineering, 24 attendees, The Penn State Scantron. Through Sept. 23.

**Tuesday, September 20**  
Scale-Up Strategies for Animal Cell Culture, 10 attendees, The Nittany Lion Inn. Through Sept. 23.

## EXHIBITS

**Alternatives Library:**  
"Reign of Peace," an art installation. Through Sept. 30.

**Patterson:**  
East Corridor Gallery.

■ "A Day in Germany," photography from "new Germany," through Sept. 30.

**Lending Services Gallery:**

■ "Fragments of Prague," Helena Lukas Martemucci photography, through September.

**Palmer Museum:**  
"Félix Vallotton Prints and Preparatory Drawings," through Oct. 9.  
"Gifts to Celebrate the New Museum," through Dec. 11.

**Zoller Gallery:**

■ "Galactic Visions," through Sept. 25.

■ Reflects an international perspective



## Alumni Fellows

### President of Pittsburgh firm named Arts and Architecture Alumni Fellow

H. Campbell Stuckeman, a 1937 Penn State graduate with a bachelor of science degree in architecture, has been named the 1994 Alumni Fellow for the College of Arts and Architecture. He will visit the University Park campus Sept. 21-23 to meet with faculty and students.

The title of Alumni Fellow is one of the highest honors that the University bestows on its graduates.

Mr. Stuckeman, a native of Pittsburgh, is president and chairman of The Precise Corporation of Pittsburgh.

As an architectural engineer and registered architect in Pennsylvania, he has served in various capacities with architectural and engineering firms. He joined the Delta Manufacturing Company, Milwaukee, Wisc., in 1942 as a resident partner until Rockwell purchased Delta in 1945. He later served as general manager of the Delta Division and was elected a vice president of Rockwell Manufacturing in 1947.

From 1951 to 1971 Mr. Stuckeman was responsible for plant location and construction and administered the program of expansion and plant modernization. During this time more than two million square feet of space was built. In 1973, when Rockwell Manufacturing merged with North American Rockwell to form Rockwell International, he served as director, real estate. In June 1975 he acquired the Precise operations from Rockwell and established the Precise Corporation.

Currently, he directs the activities of The Precise Corporation, a family owned business with plants in Racine, Wisc., and Lehigh, West Germany. Precise manufactures precision spindles for industrial drilling, milling and grinding operations. There are now 150 employees at both locations and a worldwide network of distributors and agents.

Over the years, Mr. Stuckeman has been very much involved in community, church and business activities. For more than 20 years he served on the Churchill Borough Council. He's also worked on church building committees, various Rotary International Foundation committees, hospital boards, Boy Scouts and a variety of corporate boards. He and his wife have three children and ten grandchildren.

He is presently a director of Forbes Health Foundation and a trustee of the Rockwell Foundation and Vesuvius Foundation of Pittsburgh.

At the 1989 Grand Chapter meeting of Sigma Chi fraternity, Mr. Stuckeman was awarded the national honor of Significant Citizen.

While visiting the campus, Alumni Fellows share their knowledge and experience through classes, informal discussions and public lectures.



H. Campbell Stuckeman

### Former Monsanto CEO and 1942 graduate honored as H&HD Fellow

John Hanley, retired CEO of Monsanto and founder of a rehabilitation center for alcohol and chemical dependency, will be honored Oct. 10 as an Alumni Fellow of the College of Health and Human Development.

Mr. Hanley, who lives in Palm City, Fla., and Roaring Gap, N.C., holds a 1942 degree from Penn State in metallurgy. After retiring in 1982 as CEO of Monsanto, he founded the Hanley-Hazelden Center at St. Mary's in West Palm Beach, Fla., for alcohol and chemical dependency.

The center helps 1,400 people a year with various rehabilitation services, including individual assessment, residential treatment, outpatient treatment, a family program, aftercare services, and extended care. In addition, more than 5,000 people participate in addiction training, employee assistance, community and professional education, and outreach programs each year. The center's educational materials reach another 7,000 people a year, including the media, health agencies, and others seeking advice about chemical dependency treatment.

Among Mr. Hanley's other honors have been the Ohio Service Award from the Salvation Army, the St. Louis Urban League Award of Merit, and the Harvard Alumni Achievement Award. He was named a Distinguished Alumnus of Penn State in 1973, and the University's College of Earth and Mineral Sciences honored him as an Alumni Fellow in 1983.

The Alumni Fellow program, sponsored by the Penn State Alumni Association and the academic colleges, is designed to link prominent graduates and current students, faculty, and administrators.



John Hanley

### "Values in the Community" is topic of three-part program

The Center for Ethics and Religious Affairs, a unit of the Office of Student Affairs, is presenting a three-part program on "Values in the Community."

The first part, "Environmental Racism: Who Gets Dumped On and Why?" will be held at 7:30 p.m. Tuesday, Sept. 20, in the Memorial Lounge of Eisenhower Chapel on the University Park Campus.

Feature speaker will be N. Jean Sindab, program director, Economic and Environmental Justice, National Council of Churches, Prophetic Justice Unit. Faculty respondent will be Gregory Jenkins, research associate, Earth System Science Center.

Dr. Sindab is involved in economic and environmental strategic planning, program development and implementation for an organization representing 32 Protestant denominations. She has worked for the World Council of Churches, developing programs to combat racism and focus on socio-economic issues related to the status of women internationally.

Also being presented are:

Part II: "An African-American Church Perspective on Gay/Lesbian/Bisexual (and transgender) Lifestyles," 7:30 p.m. Tuesday, Nov. 1, 101 Kern Graduate Commons.

Speaker will be Michael Blackwell, assistant professor of religious studies at Southwestern Missouri State University. Faculty respondent will be Kevin W. Allison, assistant professor of psychology at Penn State.

Dr. Blackwell has been a member of Southwestern Missouri's faculty since 1990, concentrating his teaching in religion and society, including the African-American religious experience, the life and thought of Martin Luther Jr., religion in America, and Christian social ethics.

Part III: "Values in Popular Culture," 7:30 p.m. Monday, March 13, 1995, 112 Kern Graduate Commons.

Speaker will be Michael Dyson, professor of communications studies at the University of North Carolina at Chapel Hill. Faculty respondent will be James B. Stewart, vice provost for educational equity and professor of labor and industrial studies.

Dr. Dyson, trained in philosophy, religious ethics and social and cultural criticism, is the author of *Reflecting Black: African American Cultural Criticism*. His expansive cultural criticism, appealing to multiple disciplines, addresses racism, sexism, classism and other social ills.

### New opportunity to foster collaboration offered by IDP

The Instructional Development Program is offering a new program—Nontime Conversations on Teaching and Learning.

This semester's series on Active and Collaborative Learning will be led by Larry D. Spence, associate professor of political science.

The session will begin with a brief presentation on the day's topic followed by group activity and discussion. Emphasis will be on the practical and logistical issues of adding elements of interaction and collaboration to existing courses.

The series will meet every other Thursday from 11:45 a.m. to 1:15 p.m., beginning on Sept. 22 through Nov. 17 in Room 106 ASL Building on the University Park Campus. Following is the topic schedule:

Sept. 22: Creating and Facilitating Student Teams: How do you foster appropriate student attitudes and shape students' expectations to be consistent with

the goals of collaborative activities? What kinds of classroom activities work best to overcome the Penn State tradition of passivity? What are the basic issues involved in forming effective teams? How do you teach students to work successfully in collaboration with one another?

Oct. 6: Assessing and Evaluating Student Learning in Collaborative Classrooms: What kinds of assessment strategies work best to further collaborative learning? How and when should you judge students individually rather than as a group? Are there assessment and evaluation practices that work against the goals of collaborative learning?

Oct. 20, Nov. 3 and 17: Topics and proceedings will be determined based on the interests and concerns of those attending the first two sessions.

To register, visit the Instructional Development Program office in 401 Grange Building or call 863-2599.



# World renowned astronomer to give Marker Lectures Sept. 19-21

Vera C. Rubin, an astronomer with the Carnegie Institution of Washington, will present the 1994 Russell Marker Lectures in Astronomy and Astrophysics on Sept. 19, 20, and 21 at the University Park Campus.

The three-lecture series, "Motions Within Galaxies," is sponsored by the Department of Astronomy and Astrophysics and the Eberly College of Science. The public is invited to attend.

The lectures include: "Bright Galaxies and Dark Matter," 8 p.m. Monday, Sept. 19, 1101 Althouse Laboratory; "Galaxy Dynamics and the Mass of the Universe," 4 p.m. Tuesday, Sept. 20, 101 Althouse Laboratory; and "Multi-Spin Galaxies," 4 p.m. Wednesday, Sept. 21, 101 Althouse Laboratory.

Dr. Rubin has played a major role in changing the way astronomers look at the universe. Through a series of difficult and at-first controversial observations on the rotation curves of galaxies, she showed that the matter detected throughout 300 years of observation accounts for at most 10 percent of the total mass in the universe and that the other 90 percent is some form of "dark matter." Theoreticians had independently suggested the existence of dark matter, but Dr. Rubin's work was the first important observational evidence in support of such theories.

Discovering the exact nature of this missing matter—whether massive neutrinos, axions, gravitinos, or brown dwarfs—has become a main pursuit of astrophysicists and particle physicists during the last decade. In addition to its importance for the question of dark matter, Dr. Rubin's work has had a major impact on our knowledge of the dynamics of stars within galaxies and the dynamics of galaxies in clusters.

Her current research involves the dynamics of spiral galaxies and groups of galaxies.



Vera C. Rubin

She received a bachelor of arts degree in astronomy at Vassar College in 1948 and a master of arts degree in astronomy at Cornell University in 1951. She earned her doctoral degree in astronomy at Georgetown University in 1954. She then joined the Carnegie Institution Department of Terrestrial Magnetism in 1966.

Dr. Rubin received honorary doctor of science degrees from Creighton University in 1978, from Harvard University in 1988, from Yale University in 1990, and from Williams College in 1993. She was awarded the National Medal of Science in 1993. She held positions as research associate and assistant professor at Georgetown University from 1955 to 1965 and was a member of the Department of Physics at the University of California at San Diego from 1963 to 1964. Dr. Rubin has held numerous visiting scientist positions at such institutions as the Institute for Advanced Study, the University of Cambridge in England, the University of Science and Technology in

China, the USSR Academy of Sciences, Vassar College, and Williams College.

She has been active in encouraging women and others underrepresented in the sciences to pursue careers in science and has served as an advisor on such issues for organizations including the American Association for the Advancement of Science, the American Astronomical Society, the American Physical Society, and American Women in Science. She has held editorial positions on scientific journals including the *Astrophysical Journal*, *Astrophysical Journal Letters*, and *Science*.

Dr. Rubin currently is a member of the National Academy of Sciences Committee on Human Rights, the board of the Center for Astrophysics of Harvard University, the board of trustees of Associate Universities, Inc., and is chair of the Astronomy Section of the National Academy of Sciences. She is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the American Astronomical Society, the International Astronomical Union, and the academic honor societies Phi Beta Kappa and Sigma Xi.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

The Marker endowment allows the Eberly College of Science to present annual Marker Lectures in astronomy, the chemical sciences, evolutionary biology, genetic engineering, the mathematical sciences, and the physical sciences.

## Awards

### International council recognizes director of University Center for Sports Medicine

Howard G. Knuttgen, director of the Center for Sports Medicine and professor of applied physiology in the Department of Exercise and Sport Science, has received the 1994 Philip Noel Baker Research Award from the International Council on Sport Science and Physical Education.

The award honors distinguished international-level service in sport science. It is one of two awards that the council presented during an August ceremony in Helsinki, Finland. The other was a gold medal given to International Olympic Committee president Juan Antonio Samaranch.

Dr. Knuttgen is a past president of the Amer-

ican College of Sports Medicine and a former editor-in-chief of its scientific journal, *Medicine and Science in Sports*. He is a member of the executive committees of the International Federation of Sports Medicine and of the Panamerican Confederation of Sports Medicine, and chairs the publications advisory committee for the International Olympic Committee's medical commission.

He is the second University faculty member to be honored with the Baker Award. Richard C. Nelson, director of the Biomechanics Laboratory in the Department of Exercise and Sport Science, received the award in 1977.

### College of Technology faculty honored

Three Pennsylvania College of Technology faculty members have received Awards. They are: Patricia Shoff Rambo, professor of business administration, "Master Teacher Award," the highest level of college recognition for faculty; Carol J. Kafer, assistant professor of science, and William H. Sprinsky, associate professor of civil engineering technology, "Excellence in Teaching Awards."

Ms. Rambo joined the College in 1978 as an assistant professor. In 1983, she was promoted to associate professor, and was honored with an "Excellence in Teaching Award." She was again promoted in 1987 to professor rank. She earned a bachelor of science degree in business education in 1960 and a master of science degree in business education in 1963, both from Indiana University.

Dr. Kafer has been an assistant professor at Penn College since 1991. She earned a bachelor of science degree in zoology from Penn State in 1972, and a master of arts degree in teaching in science education from Cornell University in 1974. In 1988, she attained a doctorate of philosophy in physiology and biophysics from Dalhousie University, Halifax, Nova Scotia.

Dr. Sprinsky joined Penn College in 1991 as an associate professor. He is a 1960 graduate of the Polytechnic Institute of Brooklyn, where he attained a bachelor of science degree in physics. Dr. Sprinsky earned a master of science degree in geologic science in 1966 and a doctorate of philosophy in geologic science in 1974, both from Ohio State University.

### Alumna receives award

Penn State alumna Lynne Slepetz Frink of Wilmington, Del., has received the 1994 Service to Society Award of the College of the Liberal Arts Alumni Society.

Ms. Frink is an environmentalist whose research and study of the effects of human activities on native wildlife have helped create a new public awareness and a broad, multidisciplinary approach to wildlife conservation. Her professional papers and research include studies on the effects of garden pesticides on wildlife, the philosophy of caring for injured wildlife, and the rehabilitation of oiled birds.

A graduate of Penn State in 1968 with a B.A. degree in English, she holds an M.A. degree in English literature and history from Lamar University, in Beaumont, Texas. She also attended the University of Delaware and Oxford University.

Since 1976, Ms. Frink has been president and director of The Wildlife Center, Tri-State Bird Rescue and Research Inc., a million-dollar facility established as a result of her work. The Wildlife Center cares for more than 2,000 injured and orphaned wild animals from a seven-state area every year. Trained volunteers donate more than 20,000 hours a year to assist the staff of wildlife veterinarians and biologists in operating the facility.

The Service to Society Award was established by the College of the Liberal Arts Alumni Society in 1973 to recognize a Penn State Liberal Arts graduate whose contributions have served to enhance the quality of life at the local, state or national level.

### Associate professor earns national honors

Winston Richards, associate professor of mathematics and statistics at Penn State Harrisburg, has received an award from the American Statistical Association in honor of his service as its president from 1989-1990 and 1992-1993.

He also received an award from the Society of Professional Engineers in recognition of his service as coordinator of the MathCounts program involving seventh and eighth grade students.

# BOOK SHELF

Tom M. Cavalier, associate professor of industrial and manufacturing systems engineering, is the author of *Linear Programming*, an introductory level text. James P. Ignizio of the University of Virginia is the co-author.

"The emphasis is to provide a basis for the understanding and appreciation of the truly remarkable power of the linear programming method," note the authors.

Drs. Cavalier and Ignizio provide a comprehensive summary of the philosophies and procedures used in the modeling, solution, and analysis of linear programming problems. The development, presentation and illustration of fundamentals is backed by an abundance of examples.

The text is divided into three parts addressing linear programming in general, integer linear programming and multiple objective optimization. Designed for senior-level college and first-year graduate students, the authors offer an associated solution manual with all exercises.

Published by Prentice Hall, the text is part of the company's International Series in Industrial and Systems Engineering.

Richard L. Gordon, professor of mineral economics, MICASU University Endowed Fellow, and director of the Center for Energy and Mineral Policy Research, is the author of *Regulation and Economics Analysis: A Critique over Two Centuries*. The book is part of Kluwer publishing's *Topics in Regulatory Economics and Policy*.

"My professional activities involved a succession of discoveries that well established public policies were ill conceived," Dr. Gordon says. "Eventually, I learned that all serious studies of the practice of regulation condemned at least the implementation and often questioned whether any action was justified and feasible. It seemed time to rethink

the proposition that prevailed in my student years that it is unseemly to generalize. I needed to know why this dislike of regulation was so extensive and what were its implications."

The book argues that the economic literature on regulation inadequately conveys how the dismal record of intervention has inspired widespread antipathy among experienced observers. The case is developed by examining key aspects of economic theory and how experience with regulation inspires focusing on an anti-government interpretation of the theory.

The book examines general equilibrium theory and proceeds to discuss market failure with stress on monopoly and particularly what is deemed excessive concern with predatory behavior. International trade issues, transaction costs, property rights, economic theories of government, the role of special institutions such as contracts, the defects of macroeconomic and equity arguments for regulating individual markets, environmental economics, and the defects of public land management policies are reviewed.

For centuries, Appalachian storytellers have recounted tales of a devil-may-care youth named Jack. These stories are still heard today at children's bedtimes, on back porches, and during festivals. During the past eight years, William B. McCarthy, professor of English at the Penn State DuBois Campus, and eight of his colleagues have been busy listening to, laughing with, and learning about the storytelling tradition that keeps these tales alive.

With an eye to preserving both the tales and the storytelling tradition in which they survive, Dr. McCarthy and his colleagues have been busy listening to, laughing with, and learning about the storytelling tradition that keeps these tales alive.

*Worlds, Contemporary North American Folk Tales and Their Tellers.*

*Jack in Two Worlds* is a collection of eight folktales as told by either authentic traditional Appalachian storytellers or by expert storytelling revivalists—the "two worlds" of the title. Each story is prefaced with an essay by the person recounting the tale (the story's "collector") and centers around the well-known "Jack" character of childhood favorites such as "Jack in the Beanstalk."

For the book, Dr. McCarthy uses an innovative style of writing that he believes will preserve the folktales itself in the context of the storyteller's art. Readers are made to feel as if they are in the storyteller's audience, hearing the story firsthand, and watching the teller's every movement and expression. *Jack in Two Worlds*'s innovative form integrates writing techniques such as word-for-word text written as lines of free verse poetry, vivid stage directions, generous use of "white space" for added openness and readability, and the creative use of different typefaces to indicate when characters start or stop speaking and to differentiate between spoken words and actions.

"In previous versions of these folktales, unintentional changes crept in when editors departed from the spirit of the tale rather than record the actual words of the story and events. However, our versions have been recorded down to the finest details using a cultural approach," Dr. McCarthy said. "That means we collectors took great care to record the stories as an inseparable part of the storytelling experience." The result is a rich story experience that will delight the serious folklore scholar as well as the general reader who simply loves a good story.

Dr. McCarthy joined the DuBois Campus English faculty in 1988. His first book, *The Ballad Matrix*, appeared in 1990. *Jack in Two Worlds* was released in June by The University of North Carolina Press.

Jeremy F. Plant, professor of public administration and public policy at Penn State Harrisburg, is co-author of *Public Official Associations and State and Local Governments: A Bridge Across One*

*Hundred Years*, published by George Mason University Press.

Dr. Plant said the book is designed to advance understanding of associations that represent public officials in state and local government.

It traces the historical development of these associations over the past century and analyzes the work and influence of these associations in public policy, professionalism, and leadership.

*Public Official Associations* draws heavily from the interviews the authors conducted with 74 persons. Two-thirds of the interviewees have held chief executive or other high positions with these associations, and the other interviewees are mainly scholars and others with special interests in association management and federal-state-local relations.

Robert T. Tauber, professor of education, and Cathy Sargent Mester, instructor in speech communication, both at Penn State Erie, The Behrend College, are co-authors of *Acting Lessons for Teachers: Using Performance Skills in the Classroom*, published by Greenwood Publishing Group.

"Mastery of subject matter, body language, voice projection, eye contact and a sense of humor, especially when unexpected, are tricks of the trade for teachers no less than actors," Dr. Tauber said. "Instead of viewing entertainers as competitors, educators can use some of their techniques to achieve the first step in teaching—getting the students' attention."

According to the book, several strategies apply to teaching. At the top is "knowing one's lines," followed by animation in body movement and voice, then making maximum use of classroom space.

"Other strategies involve the use of personal narratives, humor, character-playing and the element of surprise, all of which help make a point," Dr. Tauber noted. "However, these strategies work best when used occasionally."

According to Ms. Mester, actually portraying a character from literature or history is a worthwhile strategy. "Stepping into the shoes of another person—a person more suited to teach the subject matter at hand—likewise creates a confident self-image."

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## PENNSTATE INTERCOM

Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
Address correction requested

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

September 22, 1994

Volume 24, Number 6

## University seeking 6 percent boost in state funds

Asking for \$292 million with promise to continue internal budget cuts of \$11.3 million

The Board of Trustees, at its meeting Sept. 16 at University Park, approved a request for 1995-96 state appropriations that seeks a 6 percent increase for operations and special line-item funding for telecommunications and a projected increase in retirement costs.

At the same time, the University will continue its internal program of budget reductions, which will total \$11.3 million in 1995-96.

"The proposed budget plan and appropriation request are consistent with the approach Penn State has taken in recent years," President Thomas said. "That approach reflects the recent state funding environment, the continuation of the University Future process, and our commitment to respond to tuition increases."

The general principles contained in the 1995-96 budget plan and appropriation request include folding this year's Tuition Challenge Grant

monies into the base appropriation, also a 4.3 percent increase in the University's general funds budget and a planned 4.5 percent tuition increase.

The University will ask that the 1994-95 Tuition Challenge Grant funds totaling \$9,924,000 be folded into the appropriate line items for 1995-96.

"This funding was not included as part of the University's base appropriation," Dr. Thomas said. "These dollars are important to Penn State and are treated like other appropriated funds. We are, therefore, asking as part of the appropriation request for next year that they be folded into the permanent funding base."

Penn State is seeking a 1995-96 appropriation of \$292,191,000 that includes the College of Medicine at Hershey and the Pennsylvania College of Technology in Williamsport. The requested increase in the appropriation is \$23,048,000.

The 1994-95 appropriation, including Tuition Challenge Grant funds, totaled \$269,143,000.

The 1995-96 budget plan calls for a projected increase of \$31,946,000 in operating costs. Among the projected operating expense changes are:

- \$8,682,000 for critically needed program support, including new faculty positions to help reduce large class sizes, maintenance and enhancement of library resources, an increase in the base budget for the Commonwealth Educational System, and deferred maintenance, as well as funds to meet federal mandates and University-wide priorities.

- In addition to these program needs, the proposed expense changes also incorporate the third year of the University Future process reductions and reallocations," Dr. Thomas said. "These include \$11.3 million in reductions, bringing the three-year total budget reductions to \$31 million.

Next year, we plan a return of \$8,452,000 in selective reallocations."

- \$679,000 for partial restoration of the funding for Agricultural Research and Extension that was eliminated as a result of the reduction in the University's agricultural line items from the state for 1992-93.

- \$2.1 million projected for fuel and utilities costs increases and for the maintenance and operation of new or newly remodeled facilities scheduled to come on-line during the 1995-96 academic year.

- \$19,018,000 for faculty and staff salary adjustments, a projected increase of 3.5 percent of the filled position salary base to keep Penn State's salaries competitive and \$4,285,000 for increased employee benefit costs.

In addition to these operating cost increases, two special funding needs

See "State funds" on page 18

## Trustees approve capital budget of \$265 million for construction projects

Twenty-nine construction and renovation projects head the University's 1995-96 capital budget request to the Commonwealth of Pennsylvania.

At its meeting Sept. 16, the Board of Trustees approved a 1995-96 capital budget request totaling \$265.7 million. The request includes the construction and renovation of academic buildings, utility projects, Phase II of the Americans with Disabilities Act (ADA) compliance projects, and original equipment for previously approved projects. The five-year capital budget request is updated annually and submitted to the Pennsylvania Department of Education.

This summer, Gov. Robert Casey provided more than \$85 million in construction projects, including \$37.8 million at University Park and \$27.64 million at other Penn State locations. Of the total, \$45.6 million is authorized for ADA compliance projects.

President Thomas said, "We are very grateful for this response to Penn State's needs, and will work to encourage the timely release of these capital funds." Project design and construction cannot begin until the governor actually releases the author-



"Day in the Life of State College"

Ken Farwell, retired foreman of airport operations at the University, works on his plane at the University Park Airport. His picture was taken by Howard Nuernberger, photographer in the College of Agricultural Sciences, who was among some 100 photographers who donated their time and materials to the "Day in the Life of State College" project on Sept. 11 and 12. Some 240 of the best pictures of ordinary life in State College will be assembled in a *Day in the Life Book*. The book's proceeds will support the borough's centennial celebration, which begins next fall.

See "Capital" on page 18



## DIVERSITY

### Global African experience to be explored at international symposium Sept. 30 - Oct. 1

Crosscurrents: African Americans, African and German in the Modern World, an international symposium on the interactions between the African Diaspora and Germany, will be held Sept. 30-Oct. 1, at the Paul Robeson Cultural Center and the Scanlon Conference Center at University Park.

"This is one part of the global African experience that has not been magnified, not been talked about," David McBride, conference director and head of the Department of African/African American Studies, said. "In fact, this is one of the rare times this subject has been the center of a large, scholarly symposium."

The interdisciplinary conference will explore the interactions between African Americans and Germans in a historical context. Scholars from three continents will explore the forces that shaped African American contacts with German Americans, Germany and African nations under German control. Kenya native Ali A. Mazrui, humanities professor at the State University of New York at Binghamton and producer/narrator of the acclaimed 1986 documentary "The Africans," is the keynote speaker Sept. 30 at the Robeson Center.

The conference theme will focus on the 18th and 19th centuries. "Many German settlers at that time were Mennonites or Church of the Brethren, escaping religious persecution in Germany," Dr. McBride, said. "Many were anti-slavery and supportive of the abolitionists movement." Pennsylvania was frequently the location for this early African American and German immigrant interrelations.

A second theme centers on the late 19th and early 20th centuries, when German-based intellectuals, culture and politics had significance influence on African American political and educational leadership. "The German higher education system was often the model for the leaders of historically Black colleges around the turn of the century," Dr. McBride noted. "German as a language was frequently a requirement for graduation."

The third conference theme deals with Germany's rise to international political power, by establishing a colonial or strategic presence in African and the Caribbean that rivaled that of Britain and France. Germany annexed South-West Africa, which is now Namibia, in 1885, holding on to it until it was occupied in the First World War by South Africa. Germany also controlled German East Africa, which was divided into three parts after World War I and is now Tanzania, Rwanda and Burundi.

World War I and II brought even further contact between African Americans and Germany, as African American soldiers played prominent roles in the Allied victories. African American art and artists, jazz and musicians were successfully transported to Berlin as well as Paris.

Conference subjects include "(Paul) Robeson and Popular Influence of Black Americans on Germany," by Christine Naumann, formerly of the Paul Robeson Archives in Berlin; Leroy Hopkins, Millersville University on "Black Education, Black Colleges and German: A Two-Century Overview," and "Weber's Amerikablitz and the African American Experience," presented by Lawrence A. Scaff, head of the Political Science Department at Penn State.

For more information on the symposium, contact David McBride, Department of African/African American Studies, 814/863-4243 (telephone), 814/863-4837 (fax).

### Annual Festival of Cultures planned for Oct. 1 at University Park Campus

Music, dance, ethnic foods, crafts and children's activities will be highlighted as the Centre Region community and the University host the sixth annual Festival of Cultures on Saturday, Oct. 1.

Organized by the Centre Region Council of Governments, local residents and Penn State, the event will take place on Old Main lawn from 10 a.m. to 6 p.m. The Festival of Cultures will coincide with Parents Weekend and will be featured on the schedule of events for visiting parents. (See story on page 6).

Offering a variety of international foods, fashions, arts, crafts, dance, storytelling and children's games, the festival is intended to provide an enjoyable means to bring people of all ages and cultural backgrounds together to learn about each other's cultural heritage and celebrate the area's diversity.

"This is an important opportunity to foster improved town and gown intercultural relations in a way that is fun and enlightening for participants young and old. It will be very interesting to showcase this event on campus in front of Old Main during this busy weekend," Jim Steff, planning committee co-chair and COG executive director, said.

"We are very pleased to work with downtown and Penn State representatives to celebrate our State festival." Formerly the event was held in Central Parklet, behind the Fraser Street Post Office, in State College.

Some of the community groups sponsoring this year's event include the AAUW, Centre Daily Times, Centre Region Council of Governments, State College Area School District, Chamber of Business and Industry of Centre County, Downtown State College, Inc., Penn State Alumni Association, Ferguson Township, Penn State College of Education, Penn State Counselor Education, the Paul Robeson Cultural Center, Penn State Equal Opportunity Planning Committee, and the State College Borough.

In keeping with the tradition of the festival, two very popular cooking contests will highlight this year's event: "The Chili Challenge," sponsored by Native American Indian Student Association, and a "Buffalo Chicken Wing Cook-Off" between local restaurants. Everyone is invited to sample and enjoy these offerings and to cast their votes for their favorite chili and wings. In addition Penn State Housing and Food Services will provide concession booths offering a wide variety of international flavors.

"This is a wonderful celebration of the unique traditions and cultures we find in our area. We hope to create more avenues for cross-cultural understanding among members of the local and university communities," Tony Jones, planning committee co-chair, said.

Musical performances will feature well-known local groups, The Earthtones, Little German Band, Ramon Torres presenting Latin American Dance, step shows by NPHC fraternities and sororities and the NOMMO Dance Group. Ed Hale, Native American folklorist, also will perform. Children's attractions will include various hands-on activities. All members of the local and university communities are invited to participate and celebrate at this annual event.

### Black Professional Magazine calls ARL one of best places for minorities to work

The Applied Research Laboratory (ARL) has been chosen as one of the best places for minorities to work in America by *Black Professional Magazine*. ARL was one of only 30 workplaces chosen out of more than 3,000 companies for this recognition.

ARL was selected because it rated high in the magazine's annual readership survey, advertised regularly in minority professional magazines like *US Black Engineer*, attended minority career fairs country-wide and has a workforce committed to diversity.

ARL demonstrates its commitment through its corporate sponsorship of the College of Engineering's Graduate Degrees For Minorities in Engineering and Science, Inc. (GEM) Program. The lab works closely with the National Society of Black Engineers (NSBE), The Society of Hispanic Professional Engineers (SHPE) and the American Indian Science and Engineering Society (AISES).

Internally, the all-volunteer ARL Diversity Committee tries to promote awareness of diversity among ARL employees by sensitizing them to diversity issues and varied points of view, with the goal of providing a positive work environment. The committee also provides a forum for minority employees to discuss work-related concerns. The committee has four working subcommittees, including one on minority recruitment and retention and another that trains employees on diversity issues.

The majority of the readers of *Black Professional Magazine* are mid-to upper-level managers, most with graduate degrees. For the annual survey, readers were asked to select companies based on a corporation's career opportunities for minorities, visibility of minority employees, the employment of friends and colleagues and the reader's knowledge of the company.

## Appointment



Pamela Weaver Stauffer

Pamela Weaver Stauffer, head secretary of the Radiation Science and Engineering Center in the Department of Nuclear Engineering, has been named the Fall 1994 Penn State Engineering Administrative Fellow.

The College of Engineering Administrative Fellow Program provides career development opportunities for engineering staff members, with emphasis on women and minority staff members.

Ms. Stauffer will work with George McMurtry, associate dean for administration and planning, and John Shawver, financial officer, from Jan. 1, 1995, to June 30, 1995.

She began working at Penn State soon after graduation from high school and, in the fall of 1986, joined the College of Engineering as a receptionist/typist in the engineering dean's office. She was then promoted to clerk of accounting in the Department of Aerospace Engineering. She was promoted to her current position in 1991.

## C'mon batter, swing!



President Joab Thomas eagerly awaits the pitch during a friendly softball game between administrators and student leaders. The students won the slug-fest, 18-16.

Photo: Greg Grieco

## Partings

### Staff assistant retires after 37 years

Dorothy Youngman, staff assistant VII, has retired after 37 years service at Penn State Erie, The Behrend College.

Ms. Youngman spent her entire career in the college's Office of Business Operations. Her duties evolved with the institution over the years. Most recently, she was responsible for functions including human resources, risk management and affirmative action.

During her tenure at Penn State-Behrend, Ms. Youngman witnessed the student popula-

tion evolve from less than 300 students in 1956 to more than 3,200 today. She saw buildings increase from a handful to over 40. And she was part of a support staff that expanded from less than ten to over 100.

"Working at Penn State-Behrend was a wonderful opportunity," she said. "Retiring was a very difficult decision to make." She plans to pursue a variety of hobbies, and looks forward to spending time with her husband, William, a retired sheet metal worker.

### Number of employees end University service

Kevin H. Gano, associate extension agent, College of Agricultural Sciences, from July 10, 1978, until Aug. 31.

Wynn A. Smeltzer, maintenance worker, Landscape Area, Office of Physical Plant, from Jan. 26, 1981, until Aug. 31.

Charles B. Miller, manager of Environmental Services at The Hershey Medical Center, has retired after 20 years service.

He joined the Medical Center staff in 1974 to help develop a regimented program for the

Environmental Health Department.

Since he has been involved in housekeeping, he has received two Environmental Cleanliness national awards, one while at Harrisburg State Hospital and one at the Medical Center, and a National Educational Award named in his honor by the National Executive Housekeepers Association.

In his retirement, Mr. Miller looks forward to working in his woodworking shop, doing some home improvements and, maybe, a little fishing.



## Cultural Assumptions that Underlie TQM in Japan and America — Part II

Two weeks ago, we described four values that underlie TQM in Japan that were identified by Elizabeth Holmes, a senior program associate at the Center for Creative Leadership: precision, continuity, order, and relationship. Dr. Holmes states that none of these values are

primary for Americans in the way they are for the Japanese. This week we will discuss four cultural assumptions that Dr. Holmes believes underlie how we live as Americans: individuality, challenge, passion, and action.

Individuality is a fundamental concept for Americans. We are taught that this country was built by people who fled oppression to seek individual freedoms. Individuality in the workplace has traditionally meant that a few individuals "call the shots" and the rest are rewarded and recognized, individually, for how well they carry out the orders.

To make individuality work for CQI, however, we must shift our emphasis away from the person in authority to all who contribute to quality processes. In particular, given the central role of teamwork in CQI, says Dr. Holmes, we must develop a new understanding of how individuality can play out in teams.

"A team should be viewed as a group of diverse individuals, each contributing something necessary to what the group is trying to achieve. Leadership roles can be played by a variety of people as the situation and individual expertise dictate," says Dr. Holmes.

Challenge is also important to us. One of the ways we know how to value something is to examine the effort it took to accomplish it. Often we believe that if we haven't fought for it, it's not worth having. Similarly, if we are "doing our best," that is what counts. Another indication of the importance of challenge is our value for the "come-from-behind" hero.

In TQM, we need to look closely at how our need for challenges may be undercut, says Dr. Holmes. Phrases such as "do it right the first time" and "zero defects" may actually demotivate people. If a worker still operates in an environment in which it is taboo to question the boss's reasoning, the idea of doing it right the first time only reinforces the need to play it safe. Rather than challenging us to invent, in many instances we take fewer risks, play it safe, and even hide mistakes. To inspire and challenge a workforce, we must first drive out fear of failure.

Passion is reflected in our need to feel strongly about what we do. This is a given in most sports, says Dr. Holmes, but ironically, emotion has largely been eliminated from the workplace. She states, "For TQM to work in the U.S., we must acknowledge and welcome the full range of emotions we experience in our effort to make something happen."

Much of the focus of CQI has been on the numbers and the statistical processes used to achieve our successes. Considering the American passion for individuality and challenge, our quality efforts may have focused for too long on our rational and logical side and ignored the need we have as a people to feel passionately about what we do.

Action. We do a lot of talking in this country about planning first. But the fact is, we prefer to do first and plan later. Because TQM calls for the plan-do-check-act cycle, we are compelled to do some planning as part of our quality process, but it is not our natural tendency or preference. Dr. Holmes believes that we would enhance teamwork if we harnessed this desire for action and built action into our problem-solving processes.

An opportunity to take some action that will not be judged as having to be right the first time, would enable team members to take a little risk, experiment, and then, employing the plan-do-check-act process, determine how to make it right the next time.

In order to strengthen TQM in America, says Dr. Holmes, we need to incorporate these values—individuality, challenge, passion, and action—into a quality framework.



## LEADERSHIP PROFILE



William W. Asbury, vice president for student affairs.

IT WOULD BE HARD TO FIND A PENN STATE ADMINISTRATOR WHO APPRECIATES A BUDGET CUT.

As vice president for student affairs, William W. Asbury is certainly no exception. But he also believes that adversity can create new opportunities and that fiscal restrictions don't foreclose the possibility of quality improvement.

"You have to believe that while you will never be as good as you want to be, you can still find lots of ways to be better," Mr. Asbury says.

"The goal of Continuous Quality Improvement pervades everything that we in Student Affairs do in the development and delivery of student programs and services, and it's also crucial for our personal and professional growth."

Mr. Asbury's own career path has taken some sharp turns. He spent 1966-69 as a Pittsburgh Steeler running back before returning to Kent State to earn a master's degree in sociology and serve as that university's director of human resource utilization. His first position at Penn State, in 1976, was as Affirmative Action officer.

To an outsider, being a professional football player sounds like a pretty exciting life, but Mr. Asbury believes that it was through football that he actually learned about dealing with adversity.

"My mother didn't want me to play football," he recalls, "and I started out by proving her right. I broke

my leg in my first year out as a high school sophomore in Cincinnati. Football helped me go to college, but at Kent State, two of the three years I played we had a losing season.

"During my three seasons with the Steelers, the best record we posted was 5-8-1. As a player, the challenge was to try to make something good out of adversity. I learned to get along with people when things were going badly and to be a member of a team even when we were losing.

"I carried those lessons with me after I left football. In Student Affairs, we've had some good years for allocations and others when money was very tight.

"Leadership under adverse funding situations presents a special challenge. When you're part of a team and resources are thin, you have to be able to spread what little success you have around. I think my experiences as a player have helped me in making decisions about reallocating resources and in choosing the best person for a job.

"I also have a positive attitude. Anyone who watches me play racquetball or softball knows that I always think I can win."

While sports have helped Mr. Asbury learn the uses of adversity, he also has honed his administrative skills in a succession of difficult posts.

"As the University's Affirmative Action officer," he says, "I spent my first years mostly managing complaints and then in trying to achieve a

## WILLIAM W. ASBURY

### MAKING SOMETHING GOOD OUT OF ADVERSITY

"YOU HAVE TO BELIEVE THAT WHILE YOU WILL NEVER BE AS GOOD AS YOU WANT TO BE, YOU CAN STILL FIND LOTS OF WAYS TO BE BETTER."

balance among the needs of a number of developing constituencies — African-Americans, women, Native Americans and Latinos. But by 1982, Penn State had a long-range desegregation plan in place, and we had begun to make significant gains in minority student recruitment."

The following year Mr. Asbury was named executive assistant to the president for administration. He served two years as acting vice president for student services before assuming his present post in 1987.

"My ideas about administration continue to evolve and change," he says. "Perhaps because of the years I spent in the area of human resources, I am particularly interested in staff development. I believe that if you hire good people and give them a chance to grow, they will perform by delivering programs and services that make the Penn State student experience unique."

Although Mr. Asbury's professional responsibilities have changed, a common theme underlying them is his concern for community service. He started as a college student, working with young people during summer vacation periods.

"By the time I left Akron for Penn State," he recalls, "I was so overscheduled that I decided to swear off. That lasted six months. Then someone from Akron's Girl Scout Council told someone on State College's about my service there, and I thought, 'Well, it's been six months, and I'll just take just this one directorship.'"

His current and past board memberships and presidencies in Centre County now occupy almost two full pages of Mr. Asbury's resume.

"Most of my community activities are connected," he says. "I prefer to work with human service agencies

in such areas as counseling, youth service or mental health. I don't stay too long on the board of any organization. After four to six years, a group needs to bring in new people with fresh perspectives.

"But in a university town, these organizations have to depend on faculty, staff and students to get the job done. I don't think the community realizes how much students contribute as volunteers.

"The 'town-gown' division is a false dichotomy. It's not we-they. We are they."

One of Mr. Asbury's more unusual contributions to community service is his barbecue sauce. He started out as a backyard chef and made his public debut when his wife, Leslee, persuaded him to prepare chicken and ribs for Phi Beta Lambda, her South Hills Business School fraternity. She heads that school's accounting department.

Since then, Mr. Asbury's talents have been showcased for the benefit of several community groups, most recently last summer when the couple welcomed about 100 persons to their home for an Easter Seals benefit.

"The recipe for the sauce has just evolved over time," Mr. Asbury says. "I think it's about right now, but I admit that I will shamelessly steal tricks from other chefs!"

The Asburys have three daughters. Keleigh graduated from Penn State, and Kristin is finishing a degree at the University of Virginia. The youngest, Kimberly, is a sophomore at University Park, having spent one year at Berks. Her father reports that, along with one friend in Pittsburgh, she is the only other person in the world who knows all the secret ingredients in his sauce.



# United Way campaign kicks off with ambitious \$340,000 goal

CENTRE COUNTY UNITED WAY



THE PENN STATE CAMPAIGN

Sounding a theme of sharing responsibility for the good of the entire community, leaders of the 1994 United Way fund-raising campaign yesterday announced a goal of \$340,000 for the University Park Campus, an increase of \$20,000 over last year. The county-wide goal this year is more than \$1 million.

The new goal was announced at a kickoff celebration at the Penn State Scenic Center that was attended by about 300 people. The event included remarks by Brent Pasquinelli, Centre County campaign chair; Marly Thomas, who, with her husband, President Thomas, has been a strong supporter of the United Way, and G. David Gearhart, senior vice president of development and University relations, who heads Penn State's part of the campaign. The group also included faculty, staff, United Way team leaders and members, and agency executives.

The campaign theme is "With You," symbolizing the idea that together we can make life better in Centre County for those in need.

Last year, the total received in gifts and pledges was \$329,261, which exceeded the goal by nearly 3 percent.

The Pepsi Cola Co. has made a challenge gift for this year's campaign, in hopes of spurring even more gifts. The company will make a donation of \$2 to the campaign for each Penn State faculty or staff person who makes a gift or pledge to the campaign, up to a total of \$5,000.

"At a time when community resources are stretched to their very limits," Dr. Gearhart said of the Pepsi pledge, "every dollar is critically impor-



Day of Caring

John Brighton, executive vice president and provost of the University, puts his painting skills to work on a project for Strawberry Fields of State College as part of the Centre County United Way Day of Caring on Tuesday, Sept. 13. More than 80 faculty and staff members, students in a contracting class, and members of the women's field hockey team helped kick off the 1994 United Way Campaign by volunteering their time to provide hands-on assistance to United Way agencies.

Photo: Steve Tressler.

tant. Pepsi's willingness to support our United Way effort also makes it more important than ever for each member of our faculty and staff to consider participating in the campaign."

This kickoff was only for University Park Campus. Volunteers in each area will be contacting their

colleagues for gifts and pledges in the last week of October. Other Penn State locations follow the United Way campaign timetables of their respective communities.

## News in Brief

### Office move

Systems and Procedures (of the Controllers Area) has moved from 103 Daniel Building to 123 University Support Building 2.

The phone number remains the same—814-865-9568. The FAX number remains the same—814-865-3937.

The people involved include: T. Dean Murray, Rusty Rossman, Rick Witmer, Bob Querio, Kimlyn Patishnock, April Liebrum, Hazel Markle, and Pat Wertz.

This move provides the office with backbone connectivity, thus providing better service to the University community.

### Archaeology talk

The Greek island of Lesbos was famous for more than the poet Sappho in classical times. Excavations below the city of Mytilene have revealed a religious sanctuary dating back to 400 B.C.

Hector Williams, professor of classics at the University of British Columbia in Vancouver, will discuss his excavations in a talk, "Lesbos—The Archaeology of a Greek Island," at 8 p.m. Tuesday, Sept. 27, in 112 Kern

Building on the University Park Campus.

Dr. Williams' talk is sponsored by the Central Pennsylvania Society of Archaeological Institute of Arts and with support from the Institute of Arts and Archaeological Studies and the colleges of the Liberal Arts and Arts and Architecture.

### Assessment presentation

Marcia Baxter Magolda, professor of educational leadership at Miami University of Ohio, will discuss "Use of Longitudinal, Qualitative Methods to Assess Learning in Academic Majors" at 2:30 p.m. Thursday, Sept. 29, in Room 108 Wartik Laboratory on the University Park Campus.

Her talk is being presented by the Office of Undergraduate Education and the Undergraduate Academic Program Assessment Team.

Dr. Baxter Magolda is nationally recognized for her scholarship on knowing and reasoning in college, and on the assessment of the intellectual longitudinal methodologies for assessing learning in undergraduate academic majors.

All members of the Penn State community are invited. Faculty and staff with interests and responsibilities in the area of assessment are especially encouraged to attend. Please call 863-1864 if you expect to attend.

### Science writers

The Penn State Chapter of the National Association of Science Writers will select speakers for its luncheon discussion series at noon Sept. 28 in 114 Kern Building at University Park.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. This year marks the chapter's fifth anniversary.

The brown bag luncheon roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-7517.

### Graduate Faculty annual meeting

The annual meeting of the Graduate Faculty will be held at 4 p.m. Wednesday, Oct. 5, in Room 112 Kern Gradu-

ate Building at University Park. The principal item on the agenda is an address by David A. Shirley, senior vice president and dean of the Graduate School. Dr. Shirley will present an update on the Report of the Task Force on Graduate Education and the Implementation Committee on Graduate Education Initiatives.

### Graduate School office move

Several offices of the Graduate School have relocated in Kern Graduate Building. The Office of the Associate Dean of the Graduate School and the Office of Graduate Admissions are located in Room 114 Kern. The Graduate Programs Office, formerly in Room 211 Kern, is now located in Room 115 Kern. The Thesis Office has been moved to Room 211 Kern, and the Office of Fellowships and Awards is now in Room 313 Kern. All telephone numbers remain the same.

## Hershey receives grant to train primary care physicians for rural areas

The College of Medicine at The Milton S. Hershey Medical Center has received a \$352,610 grant from the federal Health Resources and Services Administration's Bureau of Health Professions to support the development and implementation of a statewide Area Health Education Center (AHEC) program. The total amount of the grant is projected at \$1.5 million over three years.

AHECs are regional, not-for-profit organizations formed through the cooperation of schools of medicine, dentistry, nursing, public health, pharmacy and allied health professions with local community hospitals, health care systems, community health centers and other interested parties.

"The AHEC centers work to support existing primary care practitioners and to remediate the shortage of primary health-care professionals in underserved communities," James M. Herman, chair of the Department of Family and Community Medicine and assistant dean for primary care, said.

"This will be accomplished by decentralizing the educational experiences of primary care practitioners in non-traditional locations, such as community health centers. In this way, primary care professionals will receive experience in primary care more common to the generalist practitioner."

The AHEC program consists of the development of regional AHECs and of a statewide plan to coordinate educational and evaluation areas deemed vital to the functioning of the statewide AHEC program. Penn State will be responsible for coordinating the entire AHEC system.

The University began leading a statewide effort to

improve access to continuous, comprehensive health care for Pennsylvania's citizens, especially those residing in medically underserved communities, more than two years ago with the establishment of the Center for Primary Care. The center, under the direction of Dr. Herman, has developed and is implementing Penn State's Generalist Physician Initiative and now the AHEC program.

The Center for Rural Pennsylvania provided initial seed moneys for planning the AHEC program, while the Pennsylvania Department of Health Bureau of Primary Care has allocated start-up funds for two AHECs and matching funds (\$249,168 for FY 94-95) required by the federal grant process. The Bureau of Primary Care, along with The Robert Wood Johnson Foundation, also is funding Hershey Medical Center's generalist initiative.

"The Commonwealth of Pennsylvania, through the Governor's Office and the Pennsylvania Department of Health, along with The Robert Wood Johnson Foundation have provided a strong financial commitment to these initiatives," C. McCollister Everts, senior vice president for health affairs and dean of the College of Medicine, said. "Their support has enabled us to develop comprehensive initiatives to help address Pennsylvania's health-care needs."

"We are very pleased that we have been awarded the AHEC grant because the AHEC program dovetails with the Generalist Physician Initiative, which is designed to increase the number of generalist physician graduates from the College of Medicine and to facilitate their entry into practices within medically underserved communities of the Commonwealth," Dr. Herman added.

## Faculty selected as Fellows for CIC leadership program

Five faculty members have been selected as Fellows to participate in the 1994-95 Committee on Institutional Cooperation (CIC) Academic Leadership Program. They are:

—Ingrid M. Blood, associate professor of communications disorders in the College of Health and Human Development and 1994-95 Administrative Fellow in the Office of the President;

—Barton W. Browning, associate professor of German in the College of the Liberal Arts and 1994-95 chair of the University Faculty Senate;

—Donald W. Leslie, associate dean for undergraduate studies and associate professor of landscape architecture in the College of Arts and Architecture;

—Robert A. Secor, head of the Department of English and professor of English and American studies in the College of the Liberal Arts;

—Diane H. Smith, chief of humanities and social sciences in the Division of Collections and Reference Services and librarian in the University Libraries.

The CIC is the academic consortium of the Big Ten Universities and the University of Chicago. The primary objective of the Academic Leadership Program is to develop the leadership and managerial skills of faculty on CIC campuses who have demonstrated exceptional ability and administrative promise. Penn State's five fellows were selected from a broader list of nominations provided by the Council of Academic Deans.

There will be two seminars offered by the CIC Academic Leadership Program this year. The first seminar will be held at Michigan State University and the topic is "Human Resources." Penn State will be the site for the second seminar, which will be held on March 31 through April 2, 1995. The topic will be "Long-Range Planning and Budgeting." This will be the first time that Penn State has hosted the CIC Academic Leadership Program Fellows.

## Private Giving

### Three named to National Development Council

Three alumni have been appointed to serve on Penn State's National Development Council, the University's top fund-raising body.

The new members, who were appointed to three-year terms, are:

•Edna P. Bennett of Wilmington, Del. Ms. Bennett earned a bachelor's degree from Penn State in home economics, with an emphasis in child development, in 1953. She was a member of the "famous 500," the first freshman class of women admitted to Penn State following World War II.

Edna Bennett and her husband, businessman C. Eugene Bennett, have supported programs in the College of Health and Human Development, most recently endowing a chair in the Department of Human Development and Family Studies.

•H. Campbell Stuckeman of Pittsburgh. Mr. Stuckeman, a 1937 Penn State architecture graduate, is president and chairman of the Precise Corp., a manufacturer of machine tool accessories and measuring devices. His philanthropic interests at Penn State have been broad, including support of programs in the College of Arts and Architecture, The

Smeal College of Business Administration and the Eberly College of Science, as well as support of the Bryce Jordan Center campaign.

•Mason Walsh Jr. of Pittsburgh. Mr. Walsh, a 1957 graduate of the University, is a senior vice president and general counsel for Richard K. Mellon and Sons and a trustee of the Richard King Mellon Foundation. He has focused most of his philanthropy at Penn State on the University Libraries, and was instrumental in securing two million-dollar donations to the Paterno Libraries Endowment.

The new members were announced by Edward R. Hintz, council chairman and president of the New York investment firm of Hintz, Hol-

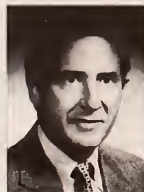
man & Hecksher.

"These new board members are all dedicated and enthusiastic Penn Stateers, and each brings unique strengths to the work of the council, strengths we will need in the challenging years ahead," Mr. Hintz said. "I am pleased that they have agreed to join the council, and am eager to begin working with them."

The National Development Council is composed of more than 60 Penn State alumni and friends who are corporate and professional leaders. Members volunteer their time and expertise to advise the professional staff of the Division of Development and University Relations and President Thomas of fund-raising goals and strategies. Their ultimate goal is to help Penn State secure the resources it needs to further academic quality.



Edna P. Bennett



Mason Walsh



H. Campbell Stuckeman

## CARPPOOL

Looking for a carpool from Tyrone to University Park. Work hours are 8 a.m.-5 p.m. Monday through Friday. Call Barb at 865-0419.

Chris is looking for people to join a carpool from Philipsburg. Work hours are 7:30 a.m.-4:30 p.m. Monday through Friday. If interested, call 865-1341.



# Senate report reveals faculty work more than 52 hours a week

University faculty members are good teachers, and they spend many hours teaching, says a new report from a Faculty Senate Special Committee on Faculty Workload and Accomplishment. But overall, the report adds, faculty must consider new ways of teaching that better suit a changing world.

The report, released at the Sept. 13 Senate meeting, found that Penn State professors work an average of 52.3 hours a week, a figure that is generally consistent with that of their peers, both in Pennsylvania and nationally. Dozens of studies cited in the report consistently show faculty spending about 52 to 55 hours a week on the job.

John Cahir, vice provost and dean for undergraduate education, chaired the committee that produced the report. "There are two messages in the report," he said. "One is that Penn State faculty are a very productive group. They work very hard. The second message is that we have to change, since new expectations in a changing world of work require new approaches to promote learning and discovery."

According to the report, in 1992-93, Penn State faculty reported an average of:

— 28 hours in direct student contact and instructional support;

— 17 hours in research; and

— 7 hours in other University service.

The student contact hours at Penn State were slightly greater than those at the University of Pittsburgh and Temple University, but a bit less than at the state-owned institutions. University faculty put in more research time than their colleagues in the state system and at Temple, but less than faculty at Pitt.

Between 1979 and 1992, the report points out, research expenditures grew by 96 percent, graduate enrollment by 65 percent, and undergraduate enrollment by 15 percent, while the number of full-time equivalent faculty grew by only 9 percent. Clearly, Dr. Cahir said, faculty are working harder and are more productive.

Dr. Cahir praised new faculty efforts to adopt alternative teaching techniques that will help students meet the many challenges of a rapidly changing world.

"Academic researchers and workplace practitioners have shown plainly the teamwork, empowerment, and collaborative learning do work, and work better than passive learning in many situations," says the report. "Collaboration prepares students for a style of learning that most will encounter outside the University, and it is a skill they must master if they are to thrive professionally."

The report's recommendations focus on three principles:

● The academic department is the fundamental unit for teaching and research at the University. It must be the focus for attention to issues of faculty workload and accomplishment, in order to match national disciplinary marketplace standards, maximize synergies, establish a reputation that will attract students and faculty, and enhance the University.

## A Breakdown: Full-time Faculty Workweek

	1983-84				1992-93			
	Penn State	Pitt	Temple	State Owned	Penn State	Pitt	Temple	State Owned
Contact hours & instructional support	29.6	26.5	26.1	29.6	26	22.1	26.7	29.5
Research	14.4	14.4	6.2	8.7	17.2	18	14.9	9
Other University service	7.5	11.1	16.3	15.8	7.1	10.6	11.7	17.3
Total workweek	51.5	52	50.6	55.3	52.3	50.7	53.3	55.8

Source: Joint State Government Commission, 1994

● Individual departments must embrace the notion of multi-dimensional excellence. Every department should be responsible for and be rewarded for achieving excellence in teaching, research, and service.

● All faculty should strive for accomplishment in research, instruction, and service. However, the relative emphasis for individual faculty members should reflect individual strengths, and recognize that those strengths can vary over time.

The report recommends that the principles be incorporated into department-based workload practices within a broad University-wide policy, underpinned by better measures of productivity in teaching, research and service.

Another report presented to the Senate, "Improving the Climate for Teaching and Learning," suggests ways to improve teaching quality and strengthen instructional development for faculty. Its recommendations include:

● appointing faculty teaching associates who would share advice with colleagues;

● appointing a full-time classroom assessment consultant to gather information on effective teaching methods;

● reducing to 15 percent the number of part-time and non-tenure track appointments; and

● rewarding faculty for excellence in all areas — such as teaching, research, or artistic creation.

"Undergraduate education," said Leonard J. Berkowitz, associate professor of philosophy at the Penn State York Campus and a member of the commission that produced the report, "is absolutely central to what we do."

Addressing the \$12 million shortfall in the Commonwealth Educational System that was announced in June, President Thomas emphasized that the shortfall is the result of a substantial CES enrollment decline in recent years and that the financial impact of the decline reflects two main factors: Penn State's dependency on tuition income and the "overall lean-

ness of the University."

Over the last four years, Dr. Thomas said, there was "a decline of nearly 2,500 students, or 10 percent of the total at CES — more than 1,250 students in 1993 alone. An additional decline of up to 300 students is projected for this fall."

Those decreases reflect declines over the past 20 years in Pennsylvania high school graduates, he said. In 1976-77 there were 190,000, and this year there were 120,000.

However, 1994 is projected to be the last year of the declining trend, he said. "Next year we hope we will begin to see their numbers begin a gradual rise. The projected increase is gradual, however, and we should not expect to see immediate changes."

Regarding tuition, he said it has been necessary to raise tuition income to offset the proportionate decline in state support over the years. The state's contribution to Penn State's general funds budget has declined from 54 percent in 1976-77 to only 36 percent in 1993-94, he said. Tuition, which supported 38 percent of the budget in 1976-77, now supports more than 55 percent of the budget.

Dr. Thomas added that while it is true that the Commonwealth Campus budgets are heavily dependent on tuition income, additional support is provided to the CES from state appropriations and other funds. This includes, among other items, direct costs such as employee benefits, which represent one-third of the CES salary base and are budgeted centrally.

In addition, about \$6 million in temporary support is being made available to help meet the CES shortfall this year. "The University's commitment to the CES remains strong in the face of these budget constraints," Dr. Thomas said, "and we will work our way through this difficulty."

The President also discussed Penn State's operating budget for 1994-95.

— Alan Janesch

## 25-year Awards



Observing 25 years service at the University are (l-r): Douglas A. Johnson, advanced engineering aide, and Becky M. Maurer, staff assistant VIII, both in Noli Lab, College of Health and Human Development; Ellen Ramey, staff assistant VII in the Fellowship and Awards Office of the Graduate School, Office of the Senior Vice President for Research and Dean of the Graduate School; Noreen Verdier, staff assistant in the Office of Academic Affairs at the Penn State Mont Alto Campus; and Steven Hoops, assistant professor of chemistry, and Roy Myers, professor of mathematics and acting campus executive officer, both at Penn State New Kensington.



# The



# ARTS

AT PENN STATE

## International Dancers

The Penn State International Dance Ensemble will host the following workshops this fall:

**Saturday, Sept. 24:** Ukrainian (Hutsul) dance choreography presented by Thomas McGiloway, artistic director of Mor'anya Dance Co., Baltimore, Md.

**Saturday, Oct. 8:** Bulgarian (Thrace) dance choreography presented by Scott C. Wise, artistic director of The Pittsburgh International Folk Theatre, Pittsburgh, Pa.

A final workshop will be presented by the foremost authority on Hungarian dance, retired Professor Andor Czompo (of SUNY-Corland), on Saturday, Oct. 29.

All workshops will be held in Room 133 White Bldg. Contact Elizabeth Hanley, director of the International Dancers for further information at 863-3467.

All workshops will result in new choreographic works for the ensemble's 17th year.

## Museum lecture

Carolyn Smyth, assistant professor of art history, will present a lecture, "Pordenone's Frescoes in Treviso and Cremona Cathedrals: Moving the Viewer," at 8 p.m. Tuesday, Sept. 27, in the Palmer Ligon Auditorium of the Palmer Museum of Art on the University Park Campus.

The lecture continues the series "The Renaissance from Milan to Venice: Discoveries in the 15th and 16th century Art of Northern Italy," sponsored by the College of Arts and Architecture Department of Art History and the Institute for the Arts and Humanistic Studies.

Dr. Smyth, who joined the art history faculty last year and is organizer of the lecture series this year, received her Ph.D. from the University of Pennsylvania. She has taught at the University of Pennsylvania, Temple University of California, San Diego. Her research on northern Italian fresco cycles has been supported by a Fulbright fellowship, the National Endowment for the Humanities and the Harvard University Center for Italian Renaissance Studies, Villa I Tatti, Florence.

The lecture is free to the public.

## Saxophone quartet

A saxophone quartet from the studio of Dan Yoder, assistant professor of music, will perform in concert at 12:10 p.m. Thursday, Sept. 29, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts

and Architecture School of Music and the University Lutheran Parish.

The quartet consists of Chris Kearney, soprano saxophone; Susan Garow, alto saxophone; Ross Enders, tenor saxophone; and Kyle Glaser, baritone saxophone. They are undergraduate saxophone majors in the School of Music. The program will include selections from the saxophone quartet literature, transcriptions and jazz numbers.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Winklin Lounge after the performance. Coffee and tea will be provided.

The concert is free to the public.

## URTC fall season

The University Resident Theatre Company of the College of Arts and Architecture Department of Theatre Arts opens its fall season with the production of "Keely and Du," under the direction of Robert E. Leonard, at 8 p.m. Friday, Oct. 7, at the Pavilion Theatre on the University Park Campus.

The play, written by Jane Martin, was inspired by the pro-choice, pro-life debate. The story deals with issues of abortion as well as the relationship between two women who are able to transcend their conflicting beliefs.

Professor Leonard is a professor of theatre arts and coordinator of the M.F.A. directing program. The production of "Keely and Du" will run Friday, Oct. 7, through Saturday, Oct. 15. All evening performances begin at 8 p.m. The student preview performances will be at 8 p.m. on Wednesday and Thursday, Oct. 8-9. A matinee will be presented at 2 p.m. on Saturday, Oct. 8.

For ticket information contact the Arts Ticket Center, open Monday through Saturday, 8:30 a.m.-4:30 p.m. at (814) 863-0255.

## "My Sister Renee"

Painter Beverly McIver will exhibit "My Sister Renee" in the HUB formal gallery through Oct. 8.

"My recent works are of my sister Renee...diagnosed at birth as being mentally retarded... Her existence tells a story of isolation and separateness... She is an outsider to society, a reminder to us all of imperfection, yet Renee embodies the spirit of living, sharing and caring, qualities many of us discard or disguise because they make us feel vulnerable."

Ms. McIver is from Durham N.C. and will have several exhibits in North Carolina in fall 1994 and spring 1995.

The HUB gallery is located on first floor of the HUB Building on the Uni-

versity Park Campus. Formal gallery hours are noon to 8 p.m. Tuesday through Thursday; noon to 4 p.m. Friday and Saturday; closed Sunday and Monday. The Browsing gallery and Art Alley are open whenever the HUB is open.

## Art league exhibit

The Milfin Juniata art league is exhibiting in Art Alley in the HUB through Oct. 23.

The exhibit features a large cross-section of local artists and various art forms, including photography, drawing and painting.

## Navajo sand painting

Navajo sand paintings by artist Storm Begay, of Tofahiti, N.M., are on exhibit in the Kern Art Gallery through Oct. 23.

"Sand paintings are used symbolically to tell a story of Navajo gods (Yei-be-chai). Medicine men traditionally used sand paintings as a well of healing and blessings," the artist said. The paintings use a mixture of naturally colored sandstone—quartz and turquoise.

The Kern Exhibition Area is located on the first floor Kern Graduate Building on the University Park Campus. Hours are 8 a.m. to 11 p.m. Monday through Friday, 10 a.m. to 11 p.m. Saturday, and noon to 11 p.m. Sunday.

## Color photography

Cara Jude Alhadeff, is exhibiting her color photography at the HUB Browsing gallery through Oct. 23.

Ms. Alhadeff, a Penn State student, mainly photographs the human body—in unusual ways. "Our society constructs our bodies' identities in an obsessive fascination with and fear of the body and its relationships (or lack thereof) with the mind," she says. "By playing with processes of turning inside out, I want to examine how bodies are presented, defined and interpreted, avoided and concealed, while confronting how we are socialized to look, to feel, to sound, to smell."

Ms. Alhadeff, also will participate in "Artist Talk" at noon Sept. 28 in the Browsing gallery, where she will speak about and answer questions about her work.

## Odyssey on WPSU

Chaucer's "Parlement of Fowles" is the topic of the next episode of Odyssey Through Literature, with guest Craig Bortoleo, a graduate student in English and Comparative Literature.

"Chaucer's 'Urban Birds,' Mr. Bortoleo and host Leonard Rubinstein discuss how the characterization of different classes of birds in the story indicate distinctions in the medieval English hierarchy.

Mr. Bortoleo shows how the eloquent but inefficient speeches of the "nobles" in the tale distinguish them from the commoners.

Odyssey Through Literature is produced at WFSX-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WFSU, 91.5 FM.

## FACULTY / STAFF ALERT

## Caller ID service activated

On Friday, Sept. 16, Bell Atlantic began transmitting a caller's telephone number with some calls that are placed. On University Park telephones, numbers will be transmitted and can be received on calls placed within the 814 area code served by Bell Atlantic. Numbers can be displayed only by those who have subscribed to the Caller ID service and have purchased equipment capable of displaying telephone numbers.

Callers have the option of blocking the transmission of their telephone number on a per-call basis by dialing the CALL-BLOCKING code \*67. Also, telephone numbers are not transmitted when calls are placed through an operator, using a calling card, from a non-Bell company, or from telephones that have permanently blocked numbers.

## Parents and families invited to spend day at University Park

Parents and families of Penn State students at the University Park Campus are invited to attend a full day of tours, open houses and educational programming beginning at 10 a.m. Saturday, Oct. 22.

"We chose the first of October because it is not a home football Saturday, yet the campus will be full of activity," said Beth Dahms, coordinator of the Parents and Families Division of the Penn State Alumni Association which is sponsoring the event.

Registration will be held throughout the day in the Hetzel Union Building. Educational seminars begin at 11 a.m. with a session in the HUB on Penn State's Ranking and Reputation, a general question and answer session for parents at 12:30 p.m. also in the HUB, and a session on "Severe Winter Weather, Tornadoes, and Hurricanes: New Climate Trends or Media Hype" at 2:15 p.m. in 112 Walker Building.

The Old Main Bell Tower will be open from 11 a.m. to 5 p.m. and the Multicultural Resource Center will host an open house for parents of color at 3:30 p.m. Campus buses, walking tours and tours of agricultural facilities are scheduled from 11 a.m. to 2:30 p.m.

The Festival of Cultures will be held the Old Main Lawn from 10 a.m. to 6 p.m. (See story on Page 2).

Parents and families also are invited to join their students in the residence halls for lunch and dinner for \$2.50 and \$4.50 respectively, and then stay for the evening canyoning event "Synergy: The Student Talent Show" in Schwab Auditorium at 8 p.m. Tickets are \$4.75 and will be available at the door.

For more information, contact the Parents and Families office at (814) 863-9424.

# DATELINE

## PENN STATE

Volume 2, Number 2

A special supplement from the Department of Public Information

September 1994

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From Garlic to the Civil War

Penn Staters give expert advice on variety of  
topics over the past five months.



Photo: Greg Giesco

#### Story of galactic proportions

Confirming that planets exist beyond our solar system brought lasting attention to astronomer Alexander Wolszczan. Last April, his findings appeared on the front page of most major papers. Wolszczan was featured on the front pages of *USA Today*, *The Washington Post*, *Los Angeles Times*, *Chicago Tribune* and *London Times*. His work appeared in *Time*, *Newsweek* and *U.S. News and World Report* and was featured in *The Chronicle of Higher Education* and on National Public Radio, NBC Nightly News and the CBS Evening News.

PENN STATE PEOPLE IN THE NEWS

## Communicating is our business

Penn State faculty continue to create high visibility for the University as their research accomplishments and expertise are marketed to, and sought by, the national news media.

This activity is an important part of the reputation-building process that is so essential to the University's progress in the years to come. Resources follow reputations, and Penn State's is quite strong. In a time of increased competition for stagnant or shrinking resources, however, nationally eminent institutions such as Penn State must communicate assiduously about their intellectual contributions to society.

This latest in a series of Intercom supplements provides a sampling of how Penn State's faculty—and Penn State—appeared in the national media over the last four months, from late April to late August 1994.

In the aggregate you will see a suggestion of the breadth and depth of the University's intellectual talent pool—in the basic sciences, engineering and the applied sciences, the social and behavioral sciences, medicine, business administration, education, communications, and the liberal arts.

The Department of Public Information is always interested in suggestions for new stories. Research findings and papers presented at academic conferences, as well as congressional testimony, offer a marvelous opportunity for gaining news coverage. Writers from the department will be pleased to work with faculty members at all Penn State locations to develop stories for release in conjunction with their presentations at these conferences.

Suggestions may be phoned (814-865-7377), faxed (814-863-3428) or E-Mailed (NP3@psu.edu) to Bill Mahon, director of Public Information; Vicki Fong, manager of Science and Research Communications; or Christy Rambeau, assistant manager for Institutional Communications.

*Roger D. Williams*

Roger L. Williams  
Executive Director of  
University Relations



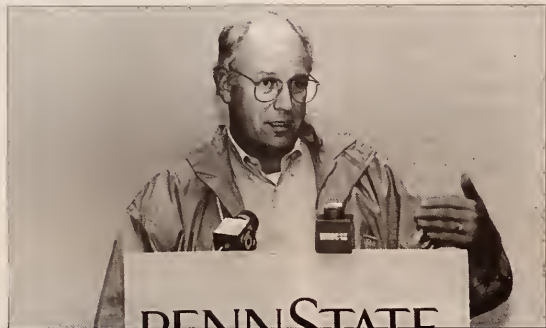
## HOT OFF THE PRESSES

THIS LISTING IS MERELY A SAMPLING OF THE NUMBER OF STORIES GENERATED FROM PENN STATE FACULTY RESEARCH SINCE APRIL 1994.

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### Self-examination of a nation

Excerpts from the Penn State commencement address of Dick Cheney, former U.S. secretary of state and possible presidential candidate in 1996, were picked up by *USA Today's* Opinionline column (May 19). "I've been struck in recent years, and especially in the last few months, by the extent to which we've turned inward as a nation," Cheney said. "Bottom line is, there isn't anybody else other than the United States to do what we've done over the last 50 years. No other nation has the moral authority, has the trust, has the leadership capacity to do what we've done."



Dick Cheney speaking at University Park.

▲ Penn State students got credit last fall for work on a different kind of course—the kind you play golf on. Stories and photos in *The Chronicle of Higher Education* (May 4) and *Golf Course News* (March) highlighted how students taking planning design and landscape contracting courses designed and carried out a landscaping plan at Penn State's newly redesigned Blue Course. They built fences, retaining walls, and a footbridge, and planted various kinds of planting materials. Perry Morgan and Dan Stearns, the landscape contracting professors who co-teach the two courses, say the project gave the students critical real-world experience.

▲ Laurence Barton, associate professor of management and organization at Great Valley, and author of a new book *The Enemy in the Workplace* was quoted twice (May 31 and June 13) by *The Philadelphia Inquirer* about the continued rise in employee theft. One of the stories also was distributed nationally by the Knight-Ridder News Service in newspapers such as the *Fort Worth Star-Telegram* in Texas.

▲ In a *Chronicle of Higher Education* story on novelist Ernest J. Gaines (May 11), Penn State English professor

Bernard W. Bell was quoted prominently. "He is an extraordinary writer, and his compassion for both the victims and the victimizers in his books is outstanding," Bell said of Gaines. Bell wrote the introduction in a McGraw-Hill anthology of Gaines's writings. Gaines is probably best known for *The Autobiography of Miss Jane Pittman*.

▲ "We can teach old dogs new tricks," says K. Warner Schale, Evan Pugh professor of human development and psychology. His research with Sherry Willis, professor of human development, showed people could reverse some declines in their abilities, and was covered by media coast-to-coast last winter. But news spots about aging don't fade. Recently the duo's work was explored in *The New York Times*, *Boston Globe*, *International Herald Tribune*, and in *Life Magazine* and *Redbook* magazine. It also appeared in the *Atlanta Constitution*, *Columbus Dispatch*, *Denver Post*, *St. Louis Post-Dispatch* and *Tampa Tribune*.

▲ On June 6, the anniversary of D-Day, *USA Today* quoted Richard Gregg, professor of speech communication, on whether President Bill Clinton would outdo for-



## HOT OFF THE PRESSES

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mer President Reagan's remembered speech of a decade ago. Clinton should give a "broad-gauge" speech in which he remembers not only the past, but points to the future and indicates that we're living in a world of new international realities."

## On the road again

Jim Weisbecker, instructor in computer science at the Delaware County Campus, was featured in the July/August issue of *Men's Health* magazine.

After surgery for prostate cancer, he was back on his bicycle for fitness training. He won two gold medals and one silver in the Delaware Senior Olympics and is shooting for the 1995 National Senior Olympics.



▲ Philip Jenkins, professor of history and criminal justice, comments on the American public's fascination with serial killers in stories by the United Press International, *The Philadelphia Inquirer*, Knight-Ridder News Service and *USA Today* news magazine. He also was quoted in the June issue of *Redbook* magazine on the public perceptions of satanic cults.

▲ Gary W. Gallagher, professor and head of the history department reviewed two Civil War books in a June issue of *The New York Times* Book Review.

▲ Chronic worriers learned to break their worry "spiral" in a Penn State study led by postdoctoral researcher Jennifer Abel. The study was carried in June by both the Knight-Ridder News Service and United Press International. It was featured in the *Denver Post*, *The Philadelphia Inquirer* and *Tampa Tribune*.

▲ Alan Sica, professor of sociology and director of the graduate program in social thought, published an op-ed column, "After the Victory, the Work Begins," in the June 8 issue of *Newsday* newspaper. He discusses how revolutionaries such as Nelson Mandela and Yasser Arafat now must govern their countries effectively. "They need to install a subcharismatic leader who can square the political circle: maintain enthusiasm and self-sacrifice for long-term goals, while establishing that predictability which Weber, uncharitably perhaps, named 'the iron cage' of bureaucratized authority. What they need, then is that rare item: a revolutionary in a gray flannel suit."



▲ John Lucas, professor of exercise and sports science and renowned Olympic historian, was interviewed for a Reuters news service story on the centenary celebrations of the International Olympic Committee (June 22).

▲ David Hufford, professor of behavioral sciences and family medicine at The Hershey Medical Center, was interviewed by the national Associated Press in a June feature on an Appalachian medicine man. The story was published nationwide by newspapers such as the *St. Louis Dispatch* in Missouri.

▲ A cookbook written by Penn State campus police, *Cooking with Safety*, rated a short item and a photo in *The Chronicle of Higher Education* (June 29). The cookbook, available for \$4, includes recipes for elephant stew, dirt cake, a "cadet's survival" rice dish, drunken hot dogs, "no lead" beans, emergency cake, and half-baked beans.



Charles Ameringer

▲ Charles Ameringer, professor of Latin American history, commented on an auction of memorabilia from notorious British spy Harold "Kim" Philby in a late June issue of *USA Today* newspaper. The trope "would really help us understand a critical period of the early Cold War," he said.

▲ This summer, Paul Kettl, associate professor of psychiatry at The Hershey Medical Center, was quoted nationally on his research on the connection between TV and kids' depression. He published a letter on the topic in *The New York Times* and was quoted in newspapers such as the *Los Angeles Daily News*, *St. Louis Post Dispatch* in Missouri, *St. Paul Pioneer Press* in Minneapolis and the *International Herald Tribune* in Paris.

▲ Chester Wolford's leadership seminar, an attempt to revive the classic way of learning to be a leader, requires students to read Homer's *Iliad*, Virgil's *Aeneid*, Machiavelli's *The Prince*, Shakespeare's *Henry V*, Tennyson's *Idylls of the King*, Crane's *Red Badge of Courage*, and Aristotle's *Ethics*. The semi-

## Tiny device makes big impression

*Business Week*, the *Pittsburgh Post-Gazette* and the *Los Angeles Times* in June and July ran a story of a miniature boiler designed to remove heat from circuit boards. Randall German, the Brush Chair Professor in Materials, oversaw this research which was a cooperation between DEC Corporation and the University. The project used injection molding and liquid phase sintering of powdered metals to create a tiny heat removal system that operates on an evaporative principle.



Randall German

nar was written up in *The Philadelphia Inquirer's* business section (July 18). Wolford, a professor of business and English at Penn State Erie, The Behrend College says he sees the course in part "as an antidote to the hundreds of trendy sociological survey results regarding leadership that hit everybody's desk about once a month."

▲ Vicki Abt, professor of sociology and American studies, and Mel Seesholtz, assistant professor of English, both at the Penn State Ogontz Campus, garnered national attention for a journal article on the impact of talk shows on people's attitudes and mores. The professors were quoted in a national Associated Press story and dozens of its client newspapers such as the *Atlanta Constitution*. They also appeared in the cover story on the same topic in *U.S. News and World Report* (July 25).

▲ A study by Martin Kilduff, associate professor of organizational behavior, and David V. Day, assistant professor of psychology, suggests a person's personality can serve as a predictor of whether they will achieve promotions at work. "Although managers who can easily adjust to new roles tend to emerge as leaders of work groups, little attention has been paid to the long-term effects of this tendency on their

## SHORT TAKES

Penn State has been ranked among the top 25 producers nationwide of minority doctoral degree recipients and African-American baccalaureate degrees for 1990-91, according to a survey by *Black Issues in Higher Education*. The story was picked up by *The Philadelphia Daily Sun* (July 17).



## HOT OFF THE PRESSES

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careers," Kilduff says. The researchers' findings were of interest in July to *The Wall Street Journal's* Labor Letter column and the *Toronto Star*.

▲ A new design for floors that could dramatically limit fall-related injuries in older adults was highlighted by *Business Week* (July 11) and *The New York Times* (July 24). The floor is being developed by a team led by Peter Cavanagh, professor of loc-



### When it comes to exercise, females are sitting the bench

Although both males and females are becoming less active, young women in particular are leading the trend, says Geoffrey Godbey, professor of leisure studies in the School of Hotel, Restaurant and Recreation Management, and co-author John P. Robinson, professor of sociology at the University of Maryland.

"The gender gap in sport and exercise is growing wider, not narrower," Godbey says. "Women ages 18-24 were only 61 percent as active as men in the same age group in 1990. Furthermore, women of all ages dropped from 74 percent as active as men in 1985 to 70 percent as active in 1990."

Results from the experts' study appeared in April in the *Minneapolis Star Tribune*, and later in *The Wall Street Journal* and on the Chicago Tribune News Service in papers including the *Chicago Tribune*, the *Edmonton Journal*, the *Columbus Dispatch*, the *Charlotte Observer*, the *Ottawa Citizen*, and the *Buffalo News*. A related story in the *Los Angeles Times* on leisure trends quoted Godbey and appeared in such papers as *The Philadelphia Inquirer*, *San Jose Mercury News*, and *Salt Lake Tribune*.



motion studies and biobehavioral health, and Donald Streit, associate professor of engineering.

▲ Frank Landy, professor of psychology and director of the Center for Applied Behavioral Science, was quoted by *The Wall Street Journal* about the use of Walkmans on the job (July 11).

▲ John Frantz, professor of history, commented about the religious riots of 1844 in Philadelphia in an Associated Press story (July 15). The state law required readings from the King James version of the Bible in the schools. This was challenged by the Catholic bishop. "This was not at all well received by the Protestants," Frantz noted.

▲ Penn State's Math Options program, aimed at encouraging young women in science careers, was profiled by *The Philadelphia Inquirer* (July 15). The program, which is sponsored at several campuses, held a week-long Summer Institute at the Ogoritz and Delaware County campuses.

▲ Penn State's Hershey Medical Center gynecology department was ranked 37th in its specialty by *U.S. News and World Report* in its July 18 issue.

▲ In its July issue, *Life* magazine quoted Sherry Willis, professor of human development and family studies, on a story on the human brain.

▲ A telemedicine project, known as HealthNet, was demonstrated at The Hershey Medical Center and featured in stories by the Associated Press, *Philadelphia Inquirer* and the *Harrisburg Patriot*.

▲ Shiriki Kumanyika, professor of epidemiology at The Hershey Medical Center, was quoted in an Aug. 9 *Washington Post* story on weight gain.

▲ A study by Leif Jensen, assistant professor of rural sociology, and colleagues, about poor children and their families was cited in a July 18 story by *U.S. News and World Report*.

▲ In its July 30 cover story, *Science News* featured a story on raising raptures (ostriches, emus, etc.) as commercial livestock, quoting Zoann Parker, a Cooperative Extension agent in Lancaster, Pa.

▲ Eugene Wayne, professor of mathematics, was quoted in a *New York Times* article (Aug. 4) on the winners of prestigious Fields medals in mathematics.

▲ Stephen Cimbala, professor of political science at the Penn State Delaware County Campus, commented on the possibility of a haiti invasion by the United States in a *USA Today* story (Aug. 5).

### Zebra mussel invasion

Edwin Masteller, retired professor of biology at Penn State Erie, the Behrend College, was interviewed by the Associated Press story (July 18) on the impact of zebra mussels on the freshwater clams of Presque Isle.

"It is amazing how in so short a time, the zebra mussels have caused such a drastic change in the aquatic environment," he said.



"The United States has extended its credibility. If Cedras doesn't bug out and the U.S. fails to carry out its threat, it will be interpreted by much of the international community as a retreat."

▲ K. Warner Schaie, Evan Pugh professor of human development and psychology, also was cited in a *Redbook* magazine story on sharpening your memory (August issue).

▲ Tom Lloyd, professor of obstetrics and gynecology at The Hershey Medical Center, and head of a joint study on calcium and young teen girls, contin-

### SHORT TAKES

"It says to me that something is not working with so many people being diet conscious. I am alarmed because we already have so much dieting and because people are trying so hard to promote exercise."

Shiriki Kumanyika, professor of epidemiology at The Hershey Medical Center, commenting on overweight adult Americans in the July 20 issue of *The Washington Post*.

## HOT OFF THE PRESSES

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## The "Lawn Do-All"



Penn State's Mascaro/Steinger Turfgrass Museum, which houses historical turfgrass equipment like this "Lawn Do-All" pictured above, was featured this summer in *The Wall Street Journal*, *The New York Times* and the *Pittsburgh Post-Gazette*.

ued to receive notice. *Reader's Digest* cited the study in its August issue.

▲ **Robert Richards**, assistant professor of communications and law and director of the Center for the First Amendment, was interviewed by *The Wall Street Journal* (Aug. 17) for a story on SLAPP lawsuits (strategic lawsuits against public participation). He also wrote an op-ed column on the topic for the *Pittsburgh Post-Gazette* (Aug. 17).

▲ **John Fizel**, associate professor of economics at Penn State Erie, The Behrend College, provided commentary on the economics of baseball during the strike to *The Philadelphia Inquirer* (Aug. 14).

▲ Salespeople may be more motivated by a "kick-in-the-pants" style of managing than by praise, but not praising some of them can lead to trouble. This finding from a study co-authored by **Harish Sujan** and **Nirmalya Kumar**, associate and assistant professors of marketing, respectively, and **Barton Weitz**, professor of marketing with the University of Florida, was of interest in August to *ADWEEK*, *The Washington Post*, and *U.S. News & World Report*.

▲ A study by **Charles R. Enis**, associate professor of accounting in The Smeal College of Business Administration, shows that after some progress in overcoming stereotypes of their profession in the 1980s, women accountants are backsliding toward the dull, conservative image the outside world holds of their male counterparts. Enis was quoted on the

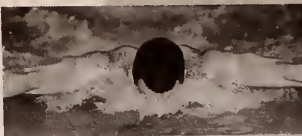
matter by *The Washington Post* in April and the article also appeared in papers such as the *Charlotte Observer* and *Buffalo News*. The research was also noted in brief by the *Knight-Ridder*. Newspapers chain in papers including *The Philadelphia Inquirer* and *Fort Worth Evening Star-Telegram*.

▲ Results from The Smeal College of Business Administration's third annual Board of Visitors Survey of Forbes 500 companies show that nearly three-fourths of the respondents would tell their children that an M.B.A. degree is still worth having. However, more than half noted they expect to hire fewer M.B.A.s in the future. These survey findings were noted in brief in such *Knight-Ridder* Newspapers as *The Philadelphia Inquirer*, *St. Paul Pioneer Press*, *Fort Worth Evening Star-Telegram*, and *Tampa Tribune*, the *Pittsburgh Business Times*, and the *Research Alert* newsletter.

▲ **Lynn Kozlowski**, professor of biobehavioral health, testified before Congress in August on nicotine and addiction. His comments were on CNN and CNBC, and

## Eye on sports

Recent topics from the Penn State Sports Medicine Newsletter



have appeared in a variety of publications:

— A home remedy for swimmer's ear was noted in *The Washington Post's* "Bodyworks" column in August.

— Grip strengthening tips from strength

coach **Chip Harrison** were adapted by the *Detroit Free Press* and the *Associated Press*.

— The importance of mental imagery to athlete success was noted in the *Denver Post* in May.

— A description of difficulties many long-distance runners have with diarrhea during events was noted in the *Pittsburgh Post-Gazette*, *Denver Post*, *Associated Press*, and by *Knight-Ridder* Newspapers in *The Philadelphia Inquirer*, *Miami Herald*, and *Kansas City Star*.

— How athletes can make their own sport drink with food-grade glycerol was of interest to the *Minneapolis Star Tribune* in June.

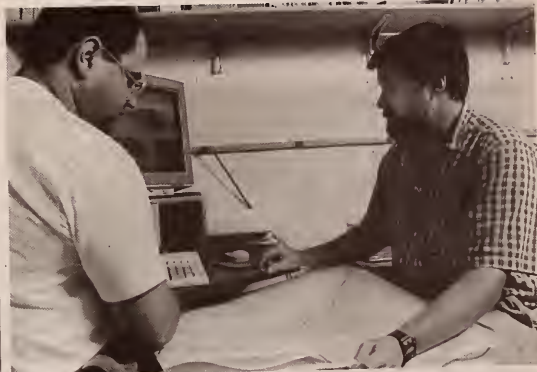


— Techniques for reducing the effects of "trash talk" — or intimidating speech by your opponents in competitive events, were noted by the *Pittsburgh Post-Gazette* in July and *The Philadelphia Inquirer* in August.



## The shape of things to come

*Earth* magazine published a full page story on BASIX, a project designed to determine the shape of the geologic faults beneath the San Francisco Bay. **Kevin Furlong**, professor of geosciences, proposed the theory that initiated the project and continues to be an integral part of BASIX.



Kevin Furlong (right) with David Verdonck, a graduate student.

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## HOT OFF THE PRESSES

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### Bats return to Puerto Rico

Bats in Puerto Rico's rainforest finally returned to pre-Hurricane Hugo numbers almost five years after the storm flattened the forest, says Michael Gannon, assistant professor of biology at the Penn State Altoona Campus. His bat work with Michael Willig, of Texas Tech, appeared in *Science News*, *New Scientist Magazine*, *The Chronicle of Higher Education* and the *Detroit News*.



in major papers, including *The New York Times*, *Philadelphia Inquirer* and *The Washington Post*.

▲ Work by Robert Stern, distinguished professor of psychology, and Dr. Kenneth Koch, professor of medicine at The Hershey Medical Center, indicates genetic factors may predispose Asians to be more prone to motion sickness. The finding, which appeared in major newspapers last winter, was featured this summer in *The New York Times* and the *Houston Chronicle*.

▲ A seminar called "African American Voices" was targeted toward teachers and scholars, not musicians,

but it ended with an outdoor jazz/blues concert by a Harrisburg foursome called Fusion-4. As reported in *The Chronicle of Higher Education* (Aug. 10), some professors attending the seminar brought their own instruments and joined in. The seminar, which focused on "vernacular theory," explored the links between African-American folk culture and African-American literature.

▲ Numerous publications followed the latest mission of the shuttle Columbia which contained two Penn State experiments. One, from the Center for Cell Research, tested separation and purification in space under the supervision of Wesley C. Hymer, professor of biochemistry. The other was an experiment in liquid sintering of powdered metals in a weightless environment. These stories appeared in the *Associated Press* and the *Pittsburgh Post-Gazette* this summer.

▲ Research on the Mayan diet by David Reed, graduate student in anthropology, appeared in the June issue of *Archaeology* magazine.

▲ SCROUNGE, a group of engineering students who are recycling computers for use in rural public schools, was the topic of articles in *The Chronicle of Higher Education*, EDUCOM's electronic newsletter,



### SHORT TAKES

"Most policy makers seriously overestimate the number of students who want to go to work right after graduation."

Kenneth Gray  
professor of vocational education,  
in an interview with *The New York Times* for  
a story on the pressures on  
vocational education (Aug. 7).

*Harrisburg Patriot* and *Pittsburgh Post-Gazette* this summer.

▲ The safety of commuter aircraft was the subject of stories in *Design News* and *Mechanical Engineering* magazines. This research was conducted by Skip Smith, assistant professor of aerospace engineering.

▲ An op-ed editorial by Edward H. Klevans, professor and head of nuclear engineering, focused on why the utilities should heed the warning of last winter's weather. The commentary appeared in numerous Northeastern newspapers including the *Trenton Times* and the *Woodbridge (N.J.) News Tribune*.

▲ Penn State's Weather Communications group was again prominent across the country when an early summer heat wave struck. Stories appeared in newspapers nationwide such as *The New York Times*, *Pittsburgh Post-Gazette*, and *Hayward California Daily Review*.

▲ Drilling on the Greenland Ice Sheet Project 2 has been completed, but analysis of the information garnered from the ice cores will continue for years. In June, *The New York Times* and the *International Herald Tribune* published a story on core analysis that showed evidence of a Minoan Volcanic eruption. Richard Alley, associate professor of geosciences, is a GISP2 researcher.

▲ Digby MacDonald, chairman of the materials science department, commented on powerful batteries in the *Bloomberg Business News* and the *San Bernardino (Calif.) Sun*.

▲ MANFRED, manipulator for reactor defueling, a

### Victimization in America



*Psychology Today* published an article on the culture of victimization based on a presentation made by Stephen Beckerman, associate professor of anthropology, at the American Anthropology Association meeting.

## HOT OFF THE PRESSES

CONTINUED FROM PAGE 14

robot once slotted to investigate the reactor pool at Three Mile Island, was the subject of a story in *Popular Mechanics*. The robot is now the property of the Applied Research Laboratory where work is under way to refit it to do various underwater chores.

▲ A very rapid computer coprocessor being developed by Mary Jane Irwin, professor of computer science and engineering, and Robert M. Owens, associate professor of computer science and engineering, was highlighted in *Industry Report*, a national magazine.

▲ A project to take the ocean's temperature using sound was highlighted in *USA Today* newspaper. John L. Spiesberger, associate professor of meteorology, chairs the GAMOT project.

▲ Civil engineering professor David A. Anderson's research on road construction and the improvement of asphalt pavements was highlighted in *Compressed Air Magazine*.

▲ A light weight, piezoelectric robotic arm developed by Zhen Wu a graduate student in engineering, was the subject of a *Compressed Air Magazine* article.

▲ Sapphire composites were highlighted in the August issue of *Chemical Engineering Progress*, focusing on the work of John R. Hellman, associate professor of materials science and engineering.

▲ *ASEE Prism* magazine carried a story on Kenneth Knott's work with students and Custom Casting Northeast in an effort to improve efficiency for the company that manufactures plaster castings. Knott is professor of industrial engineering.

▲ Garlic's effects on cellular activities of carcinogens keeps turning heads. Widely reported work by John Milner, professor and head of the Department of

Nutrition, Harunobu Amagase, research associate, and Sujatha Sundaram, a doctoral student, was most recently in *The New York Times* and in *Family Circle*

and *Woman's World* magazines, and on National Public Radio.

## What 32,000 milk jugs can do!



A playground at the University's child care center at Penn State Erie, The Behrend College, is being made out of 32,000 recycled plastic milk jugs. A story and this photo were featured in *The Chronicle of Higher Education* (Aug. 17). The playground was designed by Rob Hieber and Chris Myers, two seniors in the college's plastics-engineering program.

UNIVERSITY RELATIONS  
309 OLD MAIN  
(814) 863-1028

## DIRECTORY

DEPARTMENT OF PUBLIC INFORMATION  
312 OLD MAIN  
(814) 865-7517

## DIVISION OF DEVELOPMENT AND UNIVERSITY RELATIONS

ROGER L. WILLIAMS, ASSISTANT VICE PRESIDENT AND EXECUTIVE DIRECTOR OF UNIVERSITY RELATIONS

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DEPARTMENT STAFF ASSISTANTS  
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## NATIONAL TELEVISION PLACEMENTS

PENN STATE PEOPLE IN THE NEWS

# FROM GARLIC TO THE CIVIL WAR

Network television placements have reached 39 for 1994, covering everything from garlic research to the controversial siting of a Disney theme park near a Civil War battle field. Through it all, Penn State faculty have shined as experts in their fields, offering opinions and factual information to an information-hungry American public. Among the highlights of Penn State appearances for 1994 so far, were:

- The new America's Talking network interviewed two Penn State professors during its first two weeks on the air. **Phil Keeney**, retired professor from College of Agricultural Sciences, discussed ice cream.

**Lynn Koslowski's** study of low-tar cigarettes resulted in interviews on CNN's World News Tonight and America's Talking. Koslowski is the chairman of Bio-Behavioral Health in College of Health and Human Development.

- The controversy surrounding the proposed location of a Disney theme park near site where a Civil War battle was fought meant an interview on FOX's new show Under Scrutiny for **Gary Gallagher**, professor of history.

- Penn State's head football coach **Joe Paterno** was interviewed on CNN's Prime News about alcohol use among college students. Paterno is a member of a national committee of educators who are studying consumption and are recommending standards for the nation's colleges and universities.

- A story about a youngster who was fatally injured after being hit in the chest by a baseball got nation-

wide attention. **Dr. Steven Cyran**, pediatric cardiologist at Penn State's Hershey Medical Center, where the child was a patient, discussed potential chest injuries in children who are hit with baseballs.

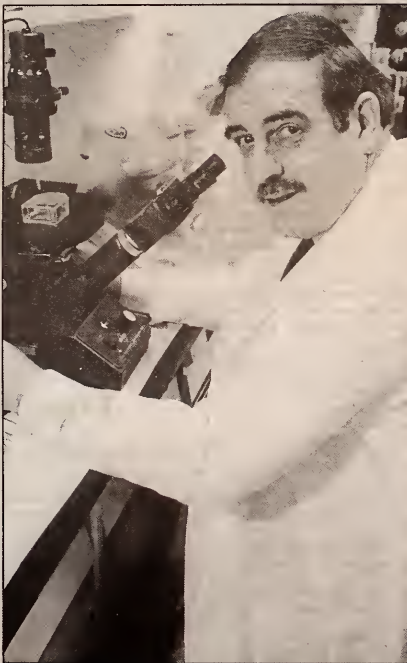
- **John Milner**, head of the Nutrition Department in College of Health and Human Development, was interviewed about garlic as part of a story on designer foods on USA Network's First Business This Morning.

- **Bill Evans**, director of Noll Laboratory at University Park, discussed the relationship between diet and exercise on CBS This Morning.

- **Michael Young**, director of the Center for Survey Research at Penn State Harrisburg, was a guest on CNN's Inside Politics the day before the May Primary Election and discussed Pennsylvania gubernatorial races.

- **Dr. Cheston Berlin**, chief of pediatrics at Penn State's Hershey Medical Center, was interviewed on ABC's Good Morning America about his study concerning which medications are safe for nursing mothers.

- The discovery of three new planets by **Alexander Wolszczan**, professor of astronomy and astrophysics in the College of Science, continued to keep him busy with interviews. From late March and through April, he was interviewed on CNN Prime News, NBC Nightside, CNN Newsday, CNN Headline News, NBC Nightly News, ABC's Good Morning America, CBS Evening News, CNBC and NBC's Nightside.



**John Milner** was a source on USA Network, providing information about garlic — one of his areas of expertise.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, September 22**  
Eighty Annual Street College Career Fair, 10 a.m.-4 p.m., HUB. For more information, call Doris McCool, 865-0916.

**Instructional Development Program**, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Creating and Facilitating Student Teams." To register, call 863-2593.

■ **Center for Russian and East European Studies**, noon, 102 Weaver Bldg. Mykola Ryabchouk on "Ukraine Chooses Its Future: Bad or Worse."

**CIQ Benchmarking**, noon, Alumni Lounge, Old Main. Gregory Lozier on "Critical Link Between Benchmarking and Strategic Planning, and How To Select Processes Within a Unit That Support Its Strategic Goals."

**Bach's Lunch**, 12:10 p.m., Eisenhower Chapel. The Penn State Bassoon Ensemble.

**Friday, September 23**  
First day of Autumn

■ **Palmer Lecture**, 1:30 p.m., Palmer Lippard Auditorium. Patrick McGrady on "French Impressionism: The Classic Period."

**Gallery Talk**, 2:30 p.m., Christoffers Lobby, Palmer Museum of Art. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

**Geography Coffee Hour**, 3:30 p.m., 319 Walker Bldg. Shalom Staub on "Learning About Cultural Conservation and Refugee Resettlement in Pennsylvania."

**Center for the Performing Arts**, 8 p.m., Schwab Auditorium. American Brass Quintet. Tickets required, call 863-0255.

**School of Music**, 8 p.m., Recital Hall. Duo Pianos; Carl Blake and Cherie Curry with the Penn State Philharmonic Orchestra.

**Saturday, September 24**  
**Horticulture Show**, 9 a.m.-5 p.m., Ag Arena. Theme is "Keystone Colors," which focuses on the native plants of Pennsylvania. Through Sept. 25.

**Gallery Talk**, 11 a.m., Christoffers Lobby, Palmer Museum of Art. Jennifer Olson on "Felix Vallotton's Graphic Work."

**Monday, September 26**  
**Alternatives Library**, noon, 130 Willard. Bruce Bonta on "The Language of Peace." Comparative Literature, 12:15 p.m., 101 Kern. Tom Beebe, speaker.

**Tuesday, September 27**  
**Outstanding Women in Geosciences**, 4 p.m., 26 Hoster Bldg. Jean-Lynch Steiligt, speaker.

■ **Spanish Club**, 7 p.m., 104 Classroom Bldg. Movie, "Mujeres al borde de un ataque de nervios."

■ **Archaeological Institute of America**, 8 p.m., 112 Kern. Hector Williams on "Lesbos—The Archaeology of a Greek Island."

■ **Art History**, 8 p.m., Palmer Lippard Auditorium. Carolyn Smyth on "The Renaissance from Milan to Venice: Discoveries in 15th and 16th Century Art of Northern Italy; Pordenone's Frescoes in Treviso and Cremona Cathedrals: Moving the Viewer."



**The Palmer Museum of Art**

This Félix Vallotton print, "Les Petites Filles," is on exhibit through Oct. 9 at the Palmer Museum on the University Park Campus.

**Wednesday, September 28**  
The Penn State Chapter of the National Association of Science Writers, noon, 114 Kern Bldg. Will be selecting speakers for its luncheon discussion series.

**Thursday, September 29**  
Campus America Tour, HUB Lawn. Through Oct. 30.

**Bach's Lunch**, 12:10 p.m., Eisenhower Chapel. Saxophone Quartet.

**Undergraduate Education**, 2:30 p.m., 108 Warkit Bldg. Marcia Baxter Magolda on "Use of Longitudinal, Qualitative Methods to Assess Learning in Academic Majors." For more information, call 863-1864.

**Center for Performing Arts**, 8 p.m., Eisenhower Auditorium. Della Reese. Tickets required, call 863-0255.

**Friday, September 30**  
■ **Palmer Museum Lecture**, 1:30 p.m., Palmer Lippard Auditorium. Patrick McGrady on "French Impressionism: The Later Years."

■ **Geography Coffee Hour**, 3:30 p.m., 319 Walker Bldg. Sandra Kehoe-Fortun on "The Role of Thursday Island in the Torres Strait Island of Australia."

■ **International Programs**, deadline for Student Fulbright competition is 5 p.m. Completed applications should be delivered to the Undergraduate Fellowship Office, 312 Willard.

**Saturday, October 1**  
**Parent/Family Weekend Festival of Cultures**, Old Main Lawn.

**Gallery Talk**, 2 p.m., Christoffers Lobby, Palmer Museum. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

Synergy, Schwab Auditorium.

## SEMINARS

**Thursday, September 29**  
**Ceramic Science**, 11 a.m., 301 Steidle Bldg. Edwin R. Fuller Jr. on "Microcracking Due To Thermal Expansion Anisotropy."

**Center for Gravitational Physics and Geometry**, 11:30 a.m., 330 Davey Bldg. Troy Schilling on "Hamiltonian Formulation of Quantum Mechanics."

**Physics**, 3:30 p.m., 101 Gemond Lab. James Annett on "Unconventional Superconductivity in Strange Metals."

**Biology**, 4 p.m., 8 Mueller Lab. Alan Walker on "The Ape in the Tree: The Natural and Intellectual History of Primates."

**Computer Science and Engineering**, 4 p.m., 302 Pond Lab. Y. N. Lakshman on "Simplifying Transformations for Multivariate Polynomials."

**Economics**, 4 p.m., 420 Kern Bldg. Xiaohong Chen on "Nonparametric Adaptive Learning with Feedback."

**Electrical Engineering**, 4 p.m., 123 EE East. Elizabeth Kienkewether and Todd Erdley on "Entrepreneurial Ventures."

**Friday, September 29**  
**Gerontology**, noon, 101 Health & Human Development Bldg. East. Elizabeth M. Zelinski on "Why Do People Complain about Their Memory?"

■ **Economics**, 3:30 p.m., 413 Kern. T. N. Srinivasan on "Preferential Trading Arrangements in South Asia: Theory, Empirics and Policy."

**Monday, September 26**  
**STS Seminar on Frontiers of Science and Technology**, noon, 360 Willard Bldg. Sir Roger Penrose on "Patterns, Puzzles, and Paradoxes in Nature." For more information, call Dr. Nouri, 865-3042 or STS Office, 865-9951.

**Condensed Matters**, 3:30 p.m., 339 Davey Lab. Lizeng Zhang on "Fractional Quan-

turn Hall Effect at Finite Temperatures." Plant Pathology, 3:30 p.m., 110 Warkit Lab. Paul Tooley on "Molecular Genetic Studies of Transposable Elements in *Phytophthora infestans*, and Detection of *Tilletia indica*, A Potential Invader of N. American Wheat."

**Tuesday, September 27**  
**Regulatory Compliance**, 10 a.m., 101 Kern Graduate Bldg. "Protection of Human Subjects in Research."

**Science, Technology and Society**, noon, 118 Willard. Irene Harvey, associate professor of philosophy, on "Philosophy Practicum: Students Applying Philosophy."

**Chemistry**, 3:30 p.m., SS Gemond Lab. Jiri Jonas on "High Pressure NMR Studies of Chemical and Biochemical Systems."

**Graduate Program in Nutrition**, 4 p.m., S-209 Henderson Bldg. South. Suzanne Middleton on "Nutritional Implications of Qlestra in the Diet."

**Wednesday, September 28**  
**Gerontology**, noon, 101 Health and Human Development Bldg. East. Toni Miles on "Recruitment of Minority Subjects for Research on Aging."

**Engineering Science and Mechanics**, 3:35 p.m., 314 Hammond Bldg. Bernhard R. Tittmann on "Activities of Acoustic Microscopy Laboratory."

**Thursday, September 29**  
**Physics**, 3:30 p.m., 101 Gemond Lab. Robert J. Birgeau on "Quantum Magnets in Two Dimensions."

**Friday, September 30**  
**Entomology**, 11 a.m., 101 ASI Bldg. David Ferro on "Applying Basic Research to Problems in Agriculture."

**CONFERENCE**

**Tuesday, September 27**  
**Separation and Purification** Strategies for Biotechnology Products, 10 attendees. The Nittany Inn. Through Sept. 30.

**Wednesday, September 28**  
**Fortieth Annual Graduate Accounting Conference**, 130 attendees. The Penn State Scanticon. Through Sept. 30.

**Thursday, September 29**  
**State Tax Seminar**, 60 attendees. The Penn State Scanticon.

**Friday, September 30**  
■ **Crosscurrents: Arts and Americans**, Africa, and Germany in the Modern World, 100 attendees. The Penn State Scanticon. Through Oct. 1.

**EXHIBITS**

**Potter**  
**Lending Services Gallery**:  
■ "Fragments of Prague," Helena Lukas Maternucci photography, through September 27.

**HUB Art Alley**:  
The Mifflin Juniata Art League will feature a large cross-section of local artists and various art forms, including photography, drawing and painting. Through Oct. 23.

**Kern Art Gallery**:  
Navajo sand paintings by artist Storm Begay. Through Oct. 23.

**Palmer Museum**:  
"Beryl Barr-Sharrar: Lyrical Landscapes," Oct. 1-2.

"Felix Vallotton: Prints and Preparatory Drawings," through Oct. 9.

■ Reflects an international perspective

## From the Trustees Docket

### Ex-chair of Quaker State named trustee emeritus

Quentin E. Wood, former chairman of the Quaker State Corp. and a Penn State trustee from 1976 until June 1994, has been named trustee emeritus by the Board of Trustees.

"Quentin Wood has been a force on the board for such a long time that it's hard to think of this group without his full-time presence," William A. Schreyer, board chairman, said. "In recognition of his long and distinguished service, we are pleased to confer emeritus rank on him and look forward to his continued involvement with the affairs of the University."

Mr. Wood was first elected to the board by delegates from industrial societies and was re-elected for succeeding terms. He served as president of the board from 1979-1982.

He is a 1941 graduate of State College Area High School and began studies at Penn State that same year. He enlisted in the U. S. Army Air Force after the beginning of World War II, and served one year as a flying instructor and for 13 months as a combat pilot, serving in China with the Flying Tigers. He returned to the University after the war and graduated with a bachelor's degree in petroleum and natural gas engineering. Mr. Wood's wife, Louise, is a 1954 Penn State graduate.

He joined Quaker State less than a month after graduation and rose from field engineer to chief engineer of the product division, to manager, to vice president, to corporate director and then to president and chief executive officer, the job he took in 1973. When he assumed the chairmanship in 1982, he retained his position as chief executive officer. Mr. Wood retired as chairman in 1991.

### State funds

continued from page 1

are included in the budget plan for next year:

- \$4.5 million for telecommunications program needs, which was a part of the 1994-95 appropriation request, but not funded. These funds are necessary to complement the \$15.8 million capital project to expand and improve the telecommunications infrastructure, which was recently approved by the Legislature and

"I would say that the proposed budget plan and appropriation request are again conservative but ... provide room to address a number of very important needs."

President Thomas

signed by Governor Casey as part of the Commonwealth's 1994-95 capital appropriation bill.

"The funds would be used to provide urgently needed increases in the telecommunications staff, support cabling needs University-wide, and improve and expand

the University's use of interactive video technology to meet escalating demands at all Penn State locations," Dr. Thomas said.

- A special line item of \$2,500,000 to cover a projected employer contribution rate increase in the State Employees' Retirement System.

"In keeping with our commitment to hold tuition increases as low as possible, we are proposing a 4.5 percent increase for next year," Dr. Thomas said. "If we are able to do this, it would be the fourth consecutive year Penn State has been able to hold its tuition increase to 5 percent or less."

- The result would be an increase of \$12 per semester for resident undergraduate students at University Park, and would generate an additional \$14.5 million University-wide in new income.

"In summary, I would say that the proposed budget plan and appropriation request are again conservative, but at the same time provide room to address a number of very important needs," Dr. Thomas concluded. "This delicate balance has been struck through the careful identification of priorities, the continuing reinvestment of internal resources, and a strong case for the Commonwealth to make an increased investment in Penn State."

### Endowment fund grows by \$19 million

A report issued to Trustees says that the total market value of Penn State's pooled endowment fund as of June 30 was nearly \$279 million, an increase of \$19 million since July of last year and about \$125 million since 1989.

The growth over the past five years is due primarily to new gifts to the University plus earnings on investments, and is calculated after the expenditure of \$45 million to support endowed programs.

The investment return for the period averaged 8.7 percent a year — more than double the inflation rate of 4.2 percent.

"Defensive investment policies that were followed in the past year helped Penn State's fund to outperform the average of nearly 500 endowment funds," Raymond D. Nargi, associate treasurer and director of financial management, said.

### Trustees give nod to name change

The Board of Trustees has approved the change in name from the Department of Counseling and Rehabilitation Education to the Department of Counselor Education, Counseling Psychology and Rehabilitation Services in the College of Education to better reflect its offerings.

Trustees also assessed the creation of the new major in biobehavioral health in the College of Health and Human Development.

The biobehavioral health major focuses

on all biological, behavioral, sociocultural and environmental factors underlying health and illness. Interdisciplinary in nature, it taps faculty research expertise within the graduate program and the college.

In the College of the Liberal Arts, a new minor was established in international studies. It is designed for students enrolled in bachelor of science programs who might not otherwise take a foreign language or study abroad.

### Capital

continued from page 1

rized funds.

Dr. Thomas presented the construction projects in four major categories: ADA compliance projects, new construction projects, renovation projects and utility projects. They are:

- ADA Compliance Projects: \$21 million.

- Alteration of facilities for ADA compliance, Phase II, University Park Campus, \$20 million.

- Alteration of facilities for ADA compliance, Phase II, Hershey Medical Center, \$1 million.

- New Construction Projects: \$168.7 million. These are listed in order of priority.

- Classroom Building, Phase II, University Park Campus, \$11 million.

- Addition to the library and new auditorium/classroom building, York Campus, \$11.9 million.

- Addition and renovation of Ferguson Building, University Park Campus, \$14.0 million.

- Academic Building, Berks Campus, \$4.6 million.

- Academic Support Services Complex, Phase I, University Park Campus, \$16.5 million.

- Maintenance Building, York Campus, \$12 million.

- Classroom Building, Altoona Campus, \$4.9 million.

- Engineering Center, Phase I, University Park Campus, \$36.1 million.

- Addition to building and parking deck, Great Valley Center, \$5.2 million.

- Maintenance Building, Hazleton Campus, \$12 million.

- Nursing Education and Medical Research Facility, Hershey Medical Center, \$20.7 million.

- Library Depository Facility, University Park Campus, \$10 million.

- Addition to the Computer Building, University Park Campus, \$10.6 million.

- Instructional Delivery and Support Center, Pennsylvania College of Technology, \$8.6 million.

- New Centralized Biological Laboratory, University Park Campus, \$12.2 million.

- Renovation Projects: \$30.8 million.

- Modernization of Sparks Building, University Park Campus, \$5.5 million.

- Renovation and addition to Support Services Facilities, University Park Campus, \$7.2 million.

- Renovation of General Studies Building, Mont Alto Campus, \$3.2 million.

- Building improvements for energy conservation, University Park Campus, \$4.8 million.

- Renovation of Sutherland & Lares Buildings, Phase II, Ogontz Campus, \$8.1 million.

- Renovation of Playhouse Theater, University Park, \$2 million.

- Utility projects: \$40 million.

- Improvement to wastewater collection and treatment facilities, University Park Campus, \$10 million.

- Utility systems improvements, Fayette Campus, \$3 million.

- Improvements of road system, University Park Campus, \$18.2 million.

- Electrical network, service, standby development, University Park Campus, \$3.1 million.

- Utility system extension and improvement of infrastructure, Phase I, University Park Campus, \$18.2 million.

- Utility improvements, York Campus, \$2.1 million.

In addition, the University is requesting \$52.3 million in original equipment for nine projects that were authorized in previous capital bills signed by the governor.



## From the Trustees Docket

## Comprehensive campus master plan in works, but concept is not a new one for Penn State

Designing a physical environment that encourages and complements intellectual pursuits has a long tradition at Penn State, beginning as early as the first Campus Master Plan in 1907 by Charles N. Lowrie, which was approved but never implemented.

In a report on master planning to the Board of Trustees, James M. Wagner, vice president for business and operations, said, "The first plan of any lasting consequence was the 1922 master plan by Charles Z. Klauder, who later emerged as a recognized leader in collegiate architecture throughout the United States."

At the request of the board, Mr. Wagner presented an overview of campus master planning since Penn State's beginnings, focusing on the past 20 years.

Updates of the 1922 plan were completed in 1928, 1929 and 1936 with a major update in 1937, which included the first 10 state-funded buildings constructed under the General State Authority Program, such as Pattee Library, Sparks, Burrows, Osmond and the Agricultural Engineering buildings. Other updates of the plan followed in 1946, 1954, 1959, 1963 and 1974.

The 1974 plan was based on a 1972 Academic Policy Plan, which anticipated a modest increase in students — from 28,600 students, which would stabilize in 1980 at 32,500 — limited construction funding and the need for greater accountability in new projects. It

stressed the need for alterations and remodeling of existing buildings to extend their useful lives.

The 1987 update, which is the last approved master plan, focused on the development of central campus and anticipated areas of changing land use, such

**The 1987 update, which is the last approved master plan, focused on the development of central campus and anticipated areas of changing land use**

as the development of a new academic area to the west of main campus and a proposed area for east campus development. Many of the proposed east campus buildings have moved to the Research Park as a result of a subsequent study, although the Convocation Center remains where it was originally planned to be.

New buildings completed since the 1987 plan include the Applied Research Laboratory Building, the Agricultural Science and Industry Building, the Class-

room Building, the poultry and dairy facilities and the Palmer Museum of Art. The Bryce Jordan Convocation Center and Music Building II are now under construction, and on the West Campus, the research building for engineering and the new research center are being designed.

In addition, the University added three parking garages and completed a number of special studies including a Utility Master Plan, Storm Water Management Plan, Master Transportation Plan and the West Campus Concept and Site Development plans, the Golf Course Reconfiguration Plan, among others, as well as numerous studies for specific building sites.

On a smaller scale, several areas have been landscaped and enhanced that make an important contribution toward the Penn State ambience — the Creamery Terrace, picnic pavilions and the Lion Shrine — and several areas such as the Mall, the Old Main and HUB lawns and the Hort Woods have been preserved.

"Looking to the future, four state-funded projects — the research building, for engineering, the new research center, a classroom building addition and an addition to East Pattee, the Paterno Library — are now under design," Mr. Wagner said. "Now we are putting in place plans for a new comprehensive campus master plan for University Park as well as general design guidelines for all Penn State locations."

## Trustees okay building plans for several University projects

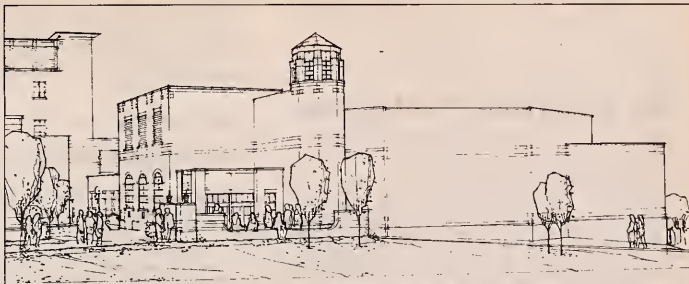
The Board of Trustees has approved a variety of building plans and facility namings affecting sites across the University system.

Sketch/preliminary plans were approved for a lecture hall addition to the existing Classroom Building at the University Park Campus. Designed by IKM Inc. of Pittsburgh, the 23,700-square-foot project will add to the eastern side of the building on Pollock Road, but will not intrude on nearby playing field space.

The new lecture hall is an Operation Jump Start project, a capital construction program initiated by Governor Casey in 1991 which is expected to result in nearly 16,000 construction jobs throughout the state. Penn State will provide \$2 million of the approximately \$5 million total cost.

Final plans by Agosin/Lovera Architects of Philadelphia were approved for another Operation Jump Start project, the Classroom Building at the Delaware County Campus in Media. The three-level, 25,000-square-foot building will include four classrooms, a lecture room, an instructional services suite, two ranges, six seminar rooms, and a faculty office suite. Penn State will provide \$600,000 of the approximately \$3 million total cost.

The new clubhouse serving the needs of golfers on the Blue and White golf courses at University Park has been named the Walker Clubhouse in honor of Eric and Josephine Walker. Dr. Walker is Penn State president emeritus, who served as president from 1956 to 1970.



Artist's sketch of the General Purpose Classroom Building with the 23,700-square-foot lecture hall addition at University Park.

Also at University Park, the previously unnamed road which connects Allen Road and Park Avenue has been named Fischer Road in honor of Floyd B. Fischer, vice president emeritus of Continuing Education, for his outstanding service and generous contributions to Penn State. The road serves a collection of buildings in the northwest corner of the campus, including the Nittany Lion Inn, Keller Conference Center, Mater Building, Moore Building, Cedar Building, and Business Administration Building.

Elsewhere in the state, the names of three College of Agricultural Sciences field research laboratories have been changed to be more descriptive of their activities. In North East, the Erie County Field Research Laboratory has been renamed the Lake Erie Regional Grape Research and Extension Center; the

Fruit Research Laboratory in the Ardentsville-Biglerville area of Adams County has been renamed the Fruit Research and Extension Center, and in Landisville, Lancaster County, the Southeastern Field Research Laboratory has been renamed the Southeast Agricultural Research and Extension Center.

The Trustees also approved the sale of a former residence hall property of the Schuylkill Campus to the Caldwell Development Co. of Wormleysburg. The 16-acre site on East Main Street, Schuylkill Haven, includes two residence halls, which had not been used by the campus for several years and was placed on the market for public sale. Net proceeds from the sale will help finance important capital needs at the campus.



## Trustees focus on undergraduate education

In an unusual session, the Penn State Board of Trustees, at its Sept. 16 meeting, devoted its entire educational policy agenda to issues in undergraduate education.

"When President Thomas came to Penn State four years ago, he sent a strong message that we should revitalize and broaden our efforts in undergraduate education, building on the synergy between research and teaching, and graduate and undergraduate education," said John A. Brighton, executive vice president and provost, during introductory remarks to the board. "Substantial progress has and is being made in many of these areas across the University."

The board heard three reports, moving from a broad view on activities to improve undergraduate education throughout the University to a model of educational innovation through the Leonard Center in the College of Engineering and, finally, to a report on active and collaborative learning through classroom teaching.

John J. Cahir, vice provost and dean for undergraduate education, provided the broad view, as he serves on the Commission on Undergraduate Education, Faculty Senate, the Administrative Council on Undergraduate Education and over-

sees the Instructional Development Program. He also gave the board a summary of college highlights.

The Board also heard about some of the innovative initiatives of the Leonard Center. The center is based on a partnership among faculty interested in improving teaching and learning, students working with faculty to improve both teaching and their own learning skills, and alumni, who provide guidance and support to the center.

The report on active and collaborative learning presented by Larry Spence, associate professor of political science in the College of the Liberal Arts, focused on what began as conversation, grew into a regular discussion group of faculty dedicated to excellent teaching, and this summer, turned into a University-wide colloquy to bring the issues to the broader University community.

"One hundred students and faculty, a third of whom represented the Commonwealth Campuses, met for a day-long session on teaching and learning, the outcome of which is the development of a proposal to establish an Institute for Learning," Dr. Brighton told the board. "The three presentations today are a look at the comprehensive process Penn State is taking in addressing the important issue surrounding learning effectiveness."

*Report from John J. Cahir*

### An overview of activities

The University is changing undergraduate education to place more emphasis on learners and learning styles and on the ways faculty involve themselves and their students in deeper learning.

John J. Cahir, vice provost and dean for undergraduate education, reported that President Thomas's Commission for Undergraduate Education has focused on five areas — assessment, faculty-student interaction and the climate for teaching, which he discussed today, and advising and curricular coherence, which will be reported on later this year.

"Assessment," he said, "has always been done, but somewhat informally. Each of our 160 undergraduate majors is thoroughly revised on an average of every four or five years and surveys and interviews also have been conducted. But the commission recognized a need for a more coordinated approach that also would improve accountability."

A University-wide team, appointed last fall, initiated pilot assessments on 28 undergraduate majors last year and is helping faculty in at least as many additional ones this year. In The Smeal College of Business Administration, what began as pilot projects in business logistics and management has turned into a thorough assessment plan that involves learning processes, shared statements of objectives and goals and measures of how well those goals are being met.

"Assessment with this much rigor is very new in institutions of Penn State's size and scope," Dr. Cahir said. "It is especially timely as The Smeal College embarks on a dramatically changed new curriculum for students who entered this fall."

On faculty-student interaction, Dr. Cahir said the Leonard Center in the College of Engineering, in which faculty and students work together to improve teaching and learning, is a model for other colleges in the University.

Speaking on teaching and learning, he referred to the commission's report last year that included 26 recommendations to improve the cli-

See "Cahir" on page 21

*Report from Larry Spence*

### Collaborative learning

Over the past year, a senior-level Penn State team has been developing a proposal for a University-wide institute to help faculty develop effective practices for active learning and showcase their teaching efforts.

The institute would enable Penn State undergraduate teachers to share their methods with the rest of the academic community, Larry D. Spence, professor of political science, said.

"The institute would bring together faculty members who wish to investigate, improve or apply pedagogical practices of interactive and collaborative learning in their classrooms," Dr. Spence said.

It is intended to be a highly visible laboratory "where faculty can enter a scholarly conversation about teaching and learning, and where students and teachers can participate in innovative learning projects. Its goal would be to help Penn State meet the rigorous demands of intellectual competence that the next century's workplaces and communities will require."

Since Oct. 1993, Executive Vice President and Provost John Brighton has been meeting with a team of administrators, faculty who have been recognized as superior teachers, and experts on educational practices to discuss ways to break out of the pattern of passive instruction methods Dr. Spence said are found in some classrooms. The institute's functions would include recruiting "the most motivated students to become partners in active learning projects and to train and to support new faculty in adopting active learning projects in their courses," he added.

The team includes Drs. Brighton and Spence; John Cahir, vice provost and dean for undergraduate education; Diane Enerson, director of the Instructional Development Program; John Lowe, professor of chemistry; James Rambeau, director of the University Schools Program and associate dean for undergraduate education, and Seldon Whitaker, associate professor of education and director of planning and training at the Center for Total Quality Schools.

Dr. Spence said the team hopes to recruit a prestigious advisory committee that would bring the concerns and ideas of "stakeholders" outside the University into conversations about teaching and learning. The institute needs a unique setting that supports a variety of activities, he said. "We want it to be a 'living laboratory.'"

*Report from Jack Matson*

### An innovative model

The Leonard Center for Innovation and Enhancement of Engineering Education is engaging engineering faculty to change the way they teach. Roughly one-third of the engineering faculty are involved in center projects, encouraging teamwork, using case studies, and assigning authentic projects from industry.

The center was created two years ago to improve engineering education by developing new teaching techniques and enhancing existing practices. According to Jack Matson, director, the center is the idea factory, the spawning ground for ways to create the multidimensional graduate who will thrive on change.

The energy of the center is a group of 30 activist, innovative engineering majors known as the Envisioners. They are partnering with faculty to spark creative approaches to learning, and in the process they learn how to be agents for change.

The center is involved in two initiatives:

—Developing a minor in engineering leadership development, which will emphasize ethical and societal responsibilities, technology-oriented entrepreneurship, and leadership skills; and

—Helping to launch a product realization minor, where students will be able to take creative ideas to a proposed "learning factory" and go from conceptual design to prototyping to testing.

The center is funded by a \$10 million gift from William Leonard, who addressed the board, praising the efforts of the center and the Envisioners. Mr. Leonard, a former chairman and CEO of the nation's second-largest engineering firm, Parsons Engineering, made the gift to the center with his wife, Wylis.

Also addressing the board were Envisioners founder Andy Milne and Envisioners group coordinator Beth O'Neill.

## Scholarship applications accepted until Oct. 7

Applications for the Edward L. and Dessa B. Keller Memorial Scholarship are being accepted until Oct. 7.

The scholarship was established by Edward W. Keller to honor his father and mother. One or more scholarships may be awarded each year, with awards beginning at \$400 and varying according to the number of recipients and funds available.

Edward L. Keller served Penn State with distinction as vice president for public affairs and director of Continuing Education. He believed that "just about everybody is a candidate for adult education of some kind," a philosophy he incorporated in Penn State Continuing Education.

All Penn State graduate and undergraduate students enrolled full time or part time in either regular or extended degree courses are eligible for the scholarship. Additional consideration will be given to Continuing and Distance Education staff members enrolled in adult education doctoral programs or those participating in an internship at the Washington, D.C., office of the National University Continuing Education Association.

Application forms are available from Sandra Rothrock, 210 Keller Building, University Park, PA 16802; phone (814) 863-7752.

## Cahir

continued from page 20

mate for teaching and learning that units across the University are now working on.

Several of those recommendations concerned ways to promote the use of technology for both faculty and students, and Dr. Cahir highlighted the growing number of faculty who have received University support and training for technology use in teaching and learning.

Small-group interaction is always a factor in how students learn. This fall 54 percent of entering freshmen in the College of the Liberal Arts have joint schedules and are enrolled in a small-class freshman seminar, joining The Smeal College and the College of Agricultural Sciences that also offer freshmen seminars. Other colleges are being encouraged to develop seminars to promote learning and research skills for freshmen as well.

Engaging students in faculty research has been a real strength at Penn State, and in the Eberly College of Science students also have the chance to be part of a cooperative program in which students work for a period of time with industry.

"Expanding on this idea is a new initiative by the Washington Area Penn State Alumni Club, which has set up a liaison program with the University for students who wish to undertake internships in the nation's capital," Dr. Cahir said.

"Penn State is a lively university for undergraduates. We get very encouraging reports from our graduates. Over the last few years we undertook a basic change in our approach to promote more active involvement in learning and for improving results for a wide range of students."

## Alumni Fellow

# Rear Admiral honored by Engineering

Rear Admiral Ralph L. Tindal, deputy commander-in-chief of the Iberian Atlantic Area, has been named a Penn State Alumni Fellow.

The Alumni Fellow Award, one of the highest Penn State alumni honors, is given to outstanding alumni and carries a lifelong title.

The Iberian Atlantic Command is primarily responsible for keeping the vital sea lines of communication open in its area during both peacetime and times of conflict in support of NATO interests. Two thirds of the goods, products and raw materials from the Persian Gulf, Africa, North and South America and the Pacific pass through the Iberian Atlantic area en route to European ports.

Admiral Tindal is a frequent contributor on national strategy and national defense topics in various symposia and conferences throughout the country. His last assignment was as director of operations and logistics for the U.S. Strategic Command at Offutt Air Force Base, Neb.

An electrical engineering graduate, the admiral was a midshipman in the U.S. Navy Reserve Officer Training Corps Unit at Penn State. He also holds a master's degree in computer systems management from the Naval Postgraduate School in Monterey, CA.

Admiral Tindal began his fleet experience by serv-



Rear Admiral  
Ralph L. Tindal

ing in USS LEAHY (DDR-879) where he fleeted up to engineering officer.

After serving on several nuclear submarines, he commanded USS DACE (SSN-607) and was the commissioning and Blue Crew commanding officer of the fifth TRIDENT submarine, USS HENRY M. JACKSON (SSBN-730).

Ashore, he served as the assistant power personnel manager for Enlisted Programs, and as nuclear power personnel manager for the chief of Naval Operations.

Rear Admiral and Mrs. Tindal visit the University Park Campus Sept. 21-25. During that time, he met with students, faculty, administrators and staff of the College of Engineering and the three Reserve Officer Training Programs. The couple will be honored at several receptions and a recognition dinner.

## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Temple game site

Franklin Field in Philadelphia will be the site of the Penn State-Temple game on Oct. 1. Owl officials have announced. There had been rumors that the game might be relocated to Veterans Stadium if the baseball season came to a premature conclusion as a result of the impasse between players and owners. Temple athletic director R.C. Johnson said that, with 20,000 tickets already sold and distributed, it would be a major logistical problem to move to another stadium. Kick-off for the Temple game is scheduled for 4 p.m.

### Penn State Day

It will be Penn State Day in Pittsburgh on Friday, Oct. 7. The Greater Pittsburgh Chamber of Commerce is hosting a luncheon to salute the Nittany Lions in conjunction with the Penn State Alumni Association and the Nittany Lion Club. Football coach Joe Paterno, men's basketball coach Bruce Parkhill, women's basketball coach Rene Portland and athletic director Tim Curry are among those scheduled to speak at the noon luncheon at the Westin William Penn Hotel. For information on luncheon tickets, Penn State fans can contact the Greater Pittsburgh Chamber of Commerce at (412)-392-4507.

### Scholarship recipient

Ex-Nittany Lion Shelly Hammonds, now a member of the Minnesota Vikings' practice squad, will receive a \$5,000 scholarship awarded from Hitachi prior to the Penn State-Rutgers game on Sept. 24 as a part of the company's "Promise of Tomorrow" scholarship program. The scholarship is to provide the means to continue postgraduate studies or to meet certification requirements to pursue a career in teaching. Penn State is one of 67 members of the College Football Association participating in the Promise of Tomorrow program, which will distribute more than \$335,000 to CFA members, making it the largest corporate-funded scholarship program in college football.

### Women's volleyball

Penn State's exceptional women's volleyball team will be featured on ESPN Television the week of Sept. 25. Consult local listings for time and channel. The cable sports channel will air the Lady Lions' match against Ohio State, the preseason favorite to win the Big Ten Championship Penn State claimed in 1993.

### Men's soccer

Coach Barry Gorman's men's soccer team opens its Big Ten season at home against conference powerhouse Indiana at 7:15 p.m. Friday, Sept. 30. The Nittany Lions won four straight games to open the season and rose to the No. 7 ranking in the national soccer poll. Big Ten "Freshman-of-the-Year" Rich Wilmut is one of 17 lettermen returning from last year's squad, which became the first Penn State men's team to win a Big Ten title.

### Lady Lion basketball

Penn State's Lady Lion basketball team, which reached the NCAA quarterfinals a year ago, will open its season against Rutgers in Recreation Building on Nov. 27. Coach Rene Portland's Lady Lions travel to Ohio State on Dec. 28 to kick off defense of the Big Ten Championship they shared with Purdue a year ago. Ten women's basketball games are scheduled to be on television this year, including seven of the eight Big Ten games at Rec Hall. CBS Television will air the Penn State-Purdue game nationally on Jan. 21 and ESPN will do a delayed broadcast of the Iowa game, showing the replay at 1 p.m. on Feb. 21. SportsChannel will cover two games as a part of the Big Ten Conference's Game-of-the-Week package—the Feb. 5 contest at Purdue and the Feb. 26 game vs. Ohio State at Rec Hall.

Six other games are scheduled for airing on WPSC Television. They include Dec. 28 at Ohio State, Jan. 13 - Northwestern, Jan. 15 - Michigan, Jan. 29 - Wisconsin, Feb. 3 at Indiana, Feb. 19 - Minnesota. WPSC also plans a 30-minute television show featuring Coach Portland to be shown once a month December through March.

### Upcoming home athletic events

Oct. 7, Field Hockey vs. Iowa, 7:30 p.m.  
Oct. 7, Women's Volleyball vs. Michigan, 7:30 p.m.  
Oct. 8, Women's Volleyball vs. Michigan, 7:30 p.m.  
Oct. 9, Field Hockey vs. Northwestern, noon.



## Awards

### Delaware County associate professor honored for excellence in teaching

Jane Elizabeth Cooper, associate professor of biology at the Penn State Delaware County Campus, is the winner of the 1994 C. I. Noll Award for Excellence in Teaching.

The award, sponsored by the Eberly College of Science Student Council and Alumni Society, is the college's highest honor for undergraduate teaching. Winners are selected by a student/faculty committee from nominees suggested by students, faculty, and alumni. In addition to receiving a monetary grant, Dr. Cooper will have her name inscribed on a plaque alongside previous C. I. Noll Award winners.

For 27 years, she has been a dedicated teacher, adviser, and mentor to numerous Penn State undergraduates. "I believe that college teaching in particular requires an openness to the aspirations, needs, dreams, talents and skills of each student," she says. Dr. Cooper joined the faculty at the Delaware County Campus as an assistant professor in 1967.

A former student remembers Dr. Cooper as

"demanding of her students but fair. Her exams are challenging and promote thinking, not just rote learning. She is a dedicated professional who teaches specific science material and, even more importantly, the value of education."

Dr. Cooper serves as designated liaison for articulation with Thomas Jefferson University's College of Allied Health Sciences; coordinator for adult students in the allied sciences; coordinator for faculty advisers; and adviser for students in premedical, allied-health and biology-related majors. She is currently chair of FACCES, a faculty advisory group for the senior vice president and dean of the Commonwealth Educational System, as well as chair of the Delaware County Campus Faculty Senate.

A 1959 summa cum laude graduate of Lindenwood College with a bachelor's degree in biology and minors in chemistry and English, she received her doctoral degree in zoology from the University of Pennsylvania in 1965.

business administration from Penn State Harrisburg, has been employed by Mellon Bank and its predecessor in the Harrisburg Area, Commonwealth National Bank, since 1971. In 1989, he was appointed community affairs officer, coordinating and directing Mellon's activities in projects covering Dauphin, Cumberland, Lancaster and York counties.

Ms. Hultzapple, a Penn State Harrisburg graduate with a bachelor of humanities degree in humanities/business, is a York Haven video producer, writer, poet and artist in addition to her role with the Breast Cancer Coalition.

Mr. Zunic, a 1983 Penn State Harrisburg graduate with a bachelor's degree in business administration, has served as chairman of the Board of the March of Dimes and WalkAmerica in York; is a graduate of Leadership York and is the president of the York County Bankers Association and a member of Future Leaders of York. His other interests include Martin Library, Junior Achievement, York Jaycees, and the Boy Scouts.

### Four alumni recognized with awards

Four Harrisburg area residents—Regina (Jean) Beatty, Raymond Spencer, Fran Hultzapple, and Jeffrey Zunic—have earned Penn State Harrisburg alumni awards.

Ms. Beatty, who holds a bachelor of humanities degree in multi-media journalism from Penn State Harrisburg, was presented the Alumni Achievement Award.

Mr. Spencer, Mellon Bank's vice president and community affairs officer, Ms. Hultzapple, the curator of the Pennsylvania Breast Cancer Coalition, and Mr. Zunic, an assistant vice president with Farmers Bank and Trust Co., were named alumni "People to Watch."

Ms. Beatty is founder, executive director and CEO of Channels, a prepared and perishable food program designed to transport excess food from hospitals, hotels, caterers and convention centers to soup kitchens, rehab centers, homeless shelters and other agencies to feed the less fortunate.

Mr. Spencer, who holds a bachelor's degree in

### DuPont Young Professor Award given to assistant professor of chemistry for her work

Patricia Bianconi, assistant professor of chemistry, has received the 1994 DuPont Young Professor Award. This award, which includes unrestricted support for up to \$75,000 over three years, is intended to encourage the continuation of her "highly original research program," according to the company.

DuPont has given Young Professor Grants since 1979 and is currently supporting 30 researchers nationwide in such fields as chemistry, chemical engineering, electrical engineering, mechanical engineering, environmental science, and material science. The grant is awarded to promising faculty who are in their early years of their first full-time appointment.

Dr. Bianconi, a specialist in inorganic chemistry, studies the synthesis of materials whose microstructure mimics those of natural materials such as bone and diamonds. Her research could lead to the devel-

opment of improved magnetic materials, super-hard materials, semiconductors, fiber-optic materials, and improved biomaterials.

She received the Sloan Research Fellowship in 1994, the Camille and Henry Dreyfus Teacher-Scholar Award, and the Beckman Young Investigator Award in 1992, and the Columbia University Excellence in Teaching Award in 1992.

Prior to joining the University faculty in 1988, Dr. Bianconi was a postdoctoral fellow in the Department of Organic Chemistry Research and Development at the AT&T Bell Laboratories. She earned a bachelor's degree in chemistry at Yale University in 1979, a master's degree at Columbia University in 1981, and doctoral degree at the Massachusetts Institute of Technology in 1986. She was a research assistant at Columbia University and the Massachusetts Institute of Technology from 1980 to 1986.

### Math professor earns distinguished teaching award from association

David M. Bressoud, professor of mathematics, has received the 1994 Award for Distinguished College or University Teaching. The award was presented by the Allegheny Mountain Section of the Mathematical Association of America in recognition of his extraordinary teaching accomplishments.

Dr. Bressoud has been an adviser and instructor in the University Scholars Program since 1984 and has created or substantially redesigned seven undergraduate courses. He has been part of a

nationwide effort to bring appropriate technologies into the classroom, and has been exploring ways to facilitate a better transition from high school to college-level mathematics. In the 1993-94 academic year, he was a pilot section of Project CALC, a writing-intensive course in which the major ideas of calculus are introduced in the context of specific applications.

Dr. Bressoud has authored four mathematics books, including *A Radical Approach to Real Analysis*, *Second Year Calculus from Celestial Mechanics to Special Relativity*, *Factorization and Primality Testing and Analytic and Combinatorial Generalizations of the Rogers-Ramanujan Identities*. He is co-editor, with George Andrews, professor of mathematics at Penn State, and L. Alayne Parson, of Ohio State University, of a new book titled *The Riemann Hypothesis*.



David M. Bressoud

### Faculty/staff program cited for innovation

The ASK program, Awareness, Sensitivity, and Knowledge of Adult Learners, has received a NASPA Region II Innovative Program/Activity Award.

Submitted by the staff of the Center for Adult Learner Services, ASK, a faculty/staff development program co-sponsored by the center and the College of Education, featured presentations by Stephen D. Brookfield, author of *The Skillful Teacher and Developing Critical Thinkers: Challenging Adults to Explore Alternative Ways of Thinking and Acting*; Dianne L. Common, department head of Curriculum and Instruction; B. Allan Quigley, regional director of the Center for Adult Learner Services; and Charlene H. Harrison, director of the Center for Adult Learner Services.

A video tape of the ASK program, accompanied by a program guide, is currently available from the center for use by those seeking to improve their understanding of adult learners and teaching methods or skills in teaching them. Call the center at 863-3887 to preview a copy.

In 1992, the center also received a NASPA Region II Innovative Program/Activity Award for its materials developed to recruit and retain adult learners.



# Research

## New Theory Traces Origin of Gamma-Ray Bursts

*Researchers explain variations and source of deep space radioactive energy form*

The long-sought source of ultra-high-energy gamma-ray bursts observed by satellites in deep space is a chain of events that starts when a star's entire mass is converted to an expanding, light-speed juggernaut of kinetic energy, a new theory argues.

The theory not only accounts for the ultimate source of the bursts, but also explains how the energy gets turned into gamma rays with the observed, characteristic nonthermal spectrum or radiation signature.

Peter Meszaros, professor and head of the Department of Astronomy and Astrophysics, developed the theory in collaboration with England's Astronomer Royal, Martin Rees, who is Royal Society Professor of Astronomy at Cambridge University.

At least a hundred theories have been proposed to explain "classical" gamma-ray bursts since they were first reported over two decades ago. However, Dr. Meszaros said, the new theory best explains recent "non-classical" observations and "is the most convincing model developed in detail so far."

Gamma rays are an extremely energetic form of radiation undetectable by the human eye. Photons of visible light range in energy from 2 to 3 electron volts while gamma rays carry anywhere from 10,000 to trillions of electron volts.

Although most recorded gamma-ray bursts have lasted only a few seconds, the EGRET (Energetic Gamma Ray Experiment Telescope) aboard NASA's Earth-orbiting Compton Gamma Ray Observatory detected an hour-long burst earlier

this year. The duration and intensities of the burst, up to 25 billion electron volts, were higher than any ever before observed.

Dr. Meszaros notes, "To add to the puzzle, the long burst's beginning coincided with a shorter,

**Gamma ray bursts start with a cataclysmic event, like the collision of two neutron stars, where debris is ejected at high speed but very little gamma radiation is produced.**

lower-energy burst measured by another detector, BATSE (The Burst and Transient Experiment), also on the Compton Observatory."

The EGRET and BATSE observations swamped most theories that could not explain or predict bursts that seemed to be brief and low-energy at one time and long-lived and ultra-high energy at another. Drs. Meszaros' and Rees' theory, however, easily accounts for the observation.

According to their new theory, the bursts that

BATSE and EGRET detected, which produced emissions in the million- as well as billion-electron volt range, were two different bursts caused by the same initial event.

Dr. Meszaros explained that, according to the current view, the chain leading to bursts outside our galaxy starts with a cataclysmic event in which debris is ejected at high speed but very little gamma radiation is produced. The event can be the collision of two neutron stars, the swallowing of a neutron star by a black hole or even the explosion of a single collapsed star known as a failed supernova. Any of these events is a possible beginning, Meszaros emphasized, as long as it leads to conversion of star mass to kinetic energy in the form of ejected gaseous debris.

Next, as the pieces of debris race away at various speeds, fast-moving material ejected later in the initial explosion catches up with and slams into slower moving particles that were ejected first. This collision produces gamma rays in the millions of electron volt range as detected by BATSE.

However, this "catch up" gamma ray burst doesn't stop the outward progress of the debris, which continues expanding until it hits the external gas and particles around the original colliding or collapsing stars. This second collision — called the deceleration burst because it slows the outward progress down — also produces gamma rays but with a longer duration and lower energy in the billions of electron volt range as observed by EGRET.

Dr. Meszaros notes that a crucial advantage of the new theory is that it predicts a "thin" spectrum like the one actually observed. The theory predicts that gamma rays will be produced after the debris has expanded to where the matter is "thinner" rather than in the dense atmosphere of the original collision or explosion.

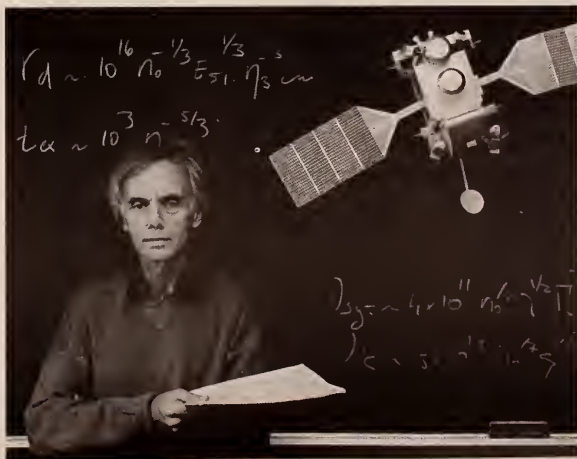
"The model produces a detailed spectral distribution that looks just like the observation," Dr. Meszaros said.

He notes that the new theory also predicts the release of low levels of X-rays and optical emissions as well as gamma rays, and that this fact may provide a test.

NASA will launch a detector called HETE aboard a Pegasus rocket early next year. HETE will measure X-ray, gamma and optical emissions simultaneously. The observations can be compared with the theory's predictions.

The outflows of energy and matter predicted by the theory were numerically modeled in collaboration with Pablo Laguna, Penn State assistant professor of astronomy and astrophysics. Drs. Meszaros and Rees, and Hariklia Papathanassiou, a graduate student, calculated the expected spectral properties of the bursts and the predicted X-ray and optical emissions.

The theory was first described by Drs. Meszaros and Rees in Delayed GeV Emission from Cosmological Gamma-Ray Bursts in the July 15 issue of the *Monthly Notices of the Royal Astronomical Society*. A paper by Drs. Rees and Meszaros titled, "Unsteady Outflow Models for Cosmological Gamma-Ray Bursts," in the Aug. 1 issue of the *Astrophysical Journal*, explains the theory of the "catch up" bursts.



Peter Meszaros, professor and head of the Department of Astronomy and Astrophysics.

Photo: Greg Grieco

— Barbara Hale



A regular column provided by  
the Office of Human Resources

## Benefit Open Houses

In conjunction with the annual benefit switch enrollment period, the Employee Benefits Division will be holding informational Benefit Open Houses from 8 a.m. to 4:30 p.m. at the following times and locations at University Park:

Friday, Oct. 28, 101 Kern; Monday, Oct. 31, Nittany Lion Inn Ballroom; Tuesday, Nov. 8, 101 Kern; Friday, Nov. 18, HUB Fishbowl.

Faculty, staff members and their spouses are encouraged to use this opportunity to further understand their benefit options. In addition to representatives from the Employee Benefits Division, who will be available to answer general benefits questions as well as specifics in areas such as flexible benefits and life insurance, representatives from the following areas also will be available:

■ **Health Care Coverage** - Health America representatives will provide faculty and staff members with information necessary to make an informed selection among Plan A, Healthpass or the HealthAmerica HMO. Personnel from the RiteCare pharmacy and National Prescription Administration (NPA) will provide detailed information on the Penn State Maintenance Prescription Drug Plan (MPDP) and the NPA's pre-

scription card program, respectively.

■ **Retirement** - Faculty and staff can address questions to the retirement professionals from either the State Employees' Retirement System (SERS) or TIAA/CRF.

■ **Long-Term Disability (LTD)** - Individuals who wish to enroll in LTD, or those currently enrolled but who do not participate in the Annuity Premium Benefit (APB) option, will have the opportunity to discuss with TIAA the value of these coverages.

■ **Supplemental Retirement Annuities** - Representatives from the EQUITABLE, FIDELITY, TIAA/CRF, VALIC and VANGUARD companies will provide information for those who wish to learn about the investment options available through Tax Deferred Annuities.

■ **Voluntary Accidental Death and Dismemberment (VADD)** - Questions regarding enrollment or changes in the amount of coverage will be addressed.

■ **Child Care Services** - Employees of the Child Care Services Division of the Office of Human Resources will answer faculty and staff questions and share information about available child care options.

■ **Wellness** - Members of the Faculty/Staff Health Promotion Division of the Office of Human Resources will provide detailed information about available health promotion activities.

Faculty and staff at the Commonwealth Campuses can attend sessions at their locations. The time and date for the benefits sessions will be announced at each campus location.

## BOOK SHELF

Ke Chung Kim, professor of entomology, and Robert D. Weaver, associate professor of agricultural economics, are co-editors of *Biodiversity and Landscapes: A Paradigm of Humanity*, published by Cambridge University Press, New York.

The work is a result of the international conference on Biodiversity and Landscapes held at Penn State in 1990. Dr. Kim also is curator and director of the Center for BioDiversity Research in the Environmental Resources Research Institute.

*Beltrami Fields in Chiral Media*, written by Akhlesh Lakhtakia, associate professor of engineering science and mechanics, has

been published by World Scientific of Singapore, New Jersey, London and Hong Kong.

The second volume in the World Scientific Series in Contemporary Chemical Physics, it is intended for researchers and graduate students working on time-harmonic electromagnetic fields in chiral materials.

Dr. Lakhtakia uses early work on the transformation of the electric and the magnetic fields in a chiral medium to left- and right-handed Beltrami fields as the basis for an unorthodox approach to understanding the electromagnetic effects of the innate chirality of materials.

His theoretical approach draws on research into helical flows in fluid dynamics and spinor electromagnetism as well as provides links with dyons in particle physics, Cosserat solids in elastodynamics, force-free magnetic fields in astrophysics and in thermoacoustics.

## Obituaries

Barbara S. Helman, staff assistant IV, Office of Human Resources; since July 1, 1991; died July 17 at the age of 34.

Marion I. Rodkey, food service worker, Housing and Food Services; from Oct. 26, 1964, until her retirement May 15, 1984; died Aug. 27 at the age of 80.

T. Sherman Stanford, retired special assistant to the senior vice president for administration, died Aug. 1 at the age of 81.

A graduate of Thiel College, he received a master's degree and doctor of education degree at Penn State. He taught at Ridgway High School and Lycoming College prior to joining the Penn State staff in 1953 as assistant college examiner.

Dr. Stanford was named associate dean of admissions in 1958. He became director of admissions and registrar in 1965 and two years later was appointed director of academic services, a post he held for four years. He then served as assistant to the provost and vice president for academic affairs until

1973 when he assumed the position he held until his retirement July 1, 1978.

At the University, he served on the Council of Academic Deans and the University Council for Academic Program Coordination. He was a member of the Faculty Senate and served on the President's Commission on Academic Planning. He was chief staff officer of the Middle States Accreditation Committee and executive secretary of the Physical Facilities Planning and Review Commission.

Dr. Stanford was a member of the American Association of Collegiate Registrars and Admissions Officers, American Association of University Professors, Middle States Association of Collegiate Registrars and Officers of Admission, National Association of College Admissions Counselors, National Association of Secondary School Principals, and the Pennsylvania Association of College Admissions Counselors.

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Kathy Norris, staff assistant/calendar

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# INTERCOM

September 29, 1994

Volume 24, Number 7

## University ranked among nation's "most efficient"

The forthcoming Oct. 3 issue of *U.S. News & World Report* ranks the University Park Campus eighth among the nation's "most efficient" national universities and among the 25 runners-up as a "best value" on the basis of its "sticker price."

The new rankings follow this week's (Sept. 26) *U.S. News* 1995 "America's Best Colleges" annual survey, in which the University was ranked as a "tier one" national university on the basis of academic quality.

The new "efficiency" rankings are based on a school's overall score in the *U.S. News* college rankings — published in the Sept. 26 issue — divided by its 1993 spending on educational programs per student. Penn State is the only Pennsylvania institution to be designated in the top ten of the most efficient national universities. Leading the pack are the University of Texas at Austin and University of Illinois at Urbana-Champaign.

The University's ranking in the runners-up category as a "best-value"

national university on the basis of sticker price is determined by relating the cost of attending (tuition plus room, board and fees) to the quality of education that institution provides. Penn State is the only Pennsylvania institution ranked in the top 25 best values and the 25 runners-up category.

Penn State shares the runners-up category with 24 other institutions such as the University of Michigan at Ann Arbor, Indiana University at Bloomington, Ohio State, Purdue, and Notre Dame. The University of Texas at Austin is ranked No. 1 as a "best value" national university.

The University's ranking as a "tier one" national university in the Sept. 26 *U.S. News* is shared by only one other Pennsylvania institution, Lehigh University.

"Penn State's quality as an institution does not rise or fall based on these annual rankings, but we know our students, faculty, and friends will be pleased to see both our educational quality and our value and efficiency

### Most Efficient Schools

INSTITUTIONS THAT RANKED HIGHEST IN RELATION TO WHAT THEY SPENT PER STUDENT

#### NATIONAL UNIVERSITIES

1. University of Texas at Austin
2. University of Illinois at Urbana-Champaign
3. SUNY at Binghamton
4. College of William and Mary (VA)
5. University of Georgia
6. Texas A&M University at College Station
7. Florida State University
8. Penn State at University Park
9. University of Nebraska at Lincoln
10. Miami University (Ohio)

recognized as being among the best in the nation," President Thomas said. "We work very hard to improve our quality continuously and to keep the value of a Penn State degree as high as we can."

*U.S. News* annually ranks 229 of the best national universities, as it did in the Sept. 26 issue, and divides that ranking into five groupings — the top 25 and four tiers. The ranking is based on only

on academic reputation (Penn State ranks 31st nationally), but on a number of statistical factors such as the average Scholastic Aptitude Test score for the entering class, the proportion of freshmen in the top 10 percent of their high school class, faculty with Ph.D.s, spending per student on the educational program, alumni giving, and so forth.

See "Rankings" on page 5

## Physician honored as "Renaissance" man

Retired State College physician and native son Dr. Charles W. Rohrbek will be honored at the 18th annual Renaissance Fund dinner, to be held Nov. 17 at the Nittany Lion Inn on the University Park Campus.

An obstetrician and gynecologist who began his practice locally in 1964, Dr. Rohrbek delivered more than 7,000 babies before his retirement in 1992. He also has been active in community affairs, at various times serving as president of the Rotary Club, president of the Centre County Cancer Society, chief of the medical staff at Centre Community Hospital, and as a founding member of the Family Planning Center, now called Family Health Services. An avid music lover, Dr. Rohrbek also is a member of the senior choir of St. Paul's United Methodist Church in State College.

"Chuck Rohrbek has watched State College grow from a quiet, small town, to the busy small city it is today," said Marjorie Dunaway, president of the Renaissance Fund's board of directors. "He personally welcomed thousands of new citizens of Centre County in the delivery room, and through his selfless involvement in the life of the community, he has helped us all to be the best we can be. I am very pleased that he is this year's honoree, because he represents the contributions one person can make."

The dinner helps to raise funds for Penn State's Renaissance scholarships. The University will establish a scholarship in Dr. Rohrbek's name for every \$15,000 received. The awards benefit financially needy students who have strong academic records. Since 1969, the Renaissance Fund has raised more than \$2.6 million and benefited some 1,058 students.

"I believe that we should contribute to our communities and to our society," Dr. Rohrbek says. "We should

always try to improve ourselves and make the most of opportunities to serve and influence others."

A son of Ruth and Edwin Rohrbek of State College, Charles Rohrbek was born in 1932 while his parents were visiting family in Illinois. Through the fifth grade he lived on East Foster Avenue and later, a few blocks away on East Hamilton Avenue. In those days, he remembers that the neighbors on Foster Avenue kept chickens and open fields touched the edge of a neighbor's property on East Hamilton. Children could ride their bikes all the way to Boalsburg, he says, because there was so little traffic.

He graduated from State College High School in 1950, and finished four years at Penn State as a Phi Beta Kappa member. In June of 1954, Dr. Rohrbek married Annette Seawson, whom he had met in sixth grade and dated since his high-school senior year.

He earned his doctor of medicine degree in 1958 from the University of Pennsylvania. Following internship and



Charles W. Rohrbek

## Ten Penn Staters named as NSF Research Fellows

Ten recent University graduates are among the 950 outstanding college and university students nationwide who have received National Science Foundation Graduate Research Fellowships for graduate study in the sciences, mathematics and engineering.

In addition, five other award recipients have selected Penn State as their graduate institution. The competitive NSF Fellowships provide stipends for full-time graduate study and cost-of-education allowances.

"The NSF Graduate Research Fellowships are prestigious awards and speak very strongly to the quality of Penn State as an undergraduate institution," David Shirley, senior vice president for research and dean of the Graduate School, said.

"But equally important, several NSF recipients have chosen to come to Penn State to pursue their graduate studies. This reflects our continuous efforts to strengthen graduate education at the University."

In 1992, Penn State awarded 558 doctoral degrees, placing the University 10th among doctoral-degree granting institutions nationwide.

See "Grad Fellows" on page 5

See "Renaissance" on page 5



## DIVERSITY

# Summer research experience prepares minority students for graduate school

As the 30 Penn State Summer Research Opportunities Program (SROP) students take classes at their home campuses, they will remember having had first-hand experience with graduate school. During the 10 weeks they spent at Penn State, undergraduates from Lincoln University, Prairie View, Clark Atlanta, California State University-Northridge, Penn State and other universities across the country, conducted actual graduate-level research. And if the quality of their research is any indication, the future is inquisitive, talented and challenging.

The SROP was started in 1986 by graduate deans from the Committee on Institutional Cooperation (CIC) at the Big 10+2 universities, to get talented minority undergraduate students interested in graduate school and ultimately into academic careers.

"This is a unique opportunity for these students to be exposed to just what research in graduate school is really like," Catherine Lyons, director of the Center for Minority Graduate Opportunities, said. Since then more than half have gone on to graduate and professional schools, which is three times the national average for all undergraduates.

Of the close to 39,000 doctorates granted in 1992, only 3.9 percent were awarded to African-Americans and only 3.2 percent were received by Hispanic/Latin Americans, according to the National Research Council.

This summer's program was a collaborative effort between the colleges of Science, Engineering, Agricultural Sciences, Earth and Mineral Sciences, and the Liberal Arts.

Although the major part of the SROP was an in-depth research experience pairing students with faculty mentors, the program also featured campus-based education/enrichment activities that broadened the student's view of graduate education and research, strengthening their technical skills and better preparing them for graduate study.

"The CIC-SROP/CURO program is a result of Penn State's continuing commitment to opening up educational opportunities to a wide variety of ethnic and cultural backgrounds," said Paulette V. Starling, Department of Counseling Psychology and Summer Research Program coordinator. "The support the students received from Dr. Lyons

and Deborah Atwater, senior faculty mentor, was pivotal to the success of the program."

Each of the students was paired with a mentor, who worked side-by-side, encouraging and assisting students, but letting them think on their own. Consider one of the topics: "Interfacial Surface Response of Jet-Stirred Stratified Liquid Bath," developed by Penn State junior in mechanical engineering Danny Erb, mentored by Timothy F.

**Since 1986, more than half of the program's participants have gone on to graduate and professional schools — three times the national average for all undergraduates.**

Miller, Power and Mechanical Systems, Applied Research Lab.

"Basically played in water this summer," Mr. Erb said jokingly. "But the subject matter is very serious. We were dealing with the Coanda effect (the phenomena of a jet to curve to a surface) effect. One no really knows anything about it. So we were trying to find out what exactly causes it and trying to characterize the way it interfaces with the water and then other liquids."

The end product of this summer program was to get undergraduates interested in graduate school. Several of the students expressed an interest in continuing on, "I never thought about it," said one. "But now I am definitely going to graduate school."

The entire summer program was sponsored by the National Science Foundation, the William Penn Foundation, National Aeronautics and Space Administration and the Howard Hughes Foundation.

## Free courses offered on diversity issues

The Human Resource Development Center (HRDC) offers a range of diversity and equity courses for all faculty and staff at no cost. These free courses are designed to improve job performance and increase promotional opportunities.

The following courses will be held in 319 Rider Building:

■ **Friday, Oct. 14, 9 a.m. to 4 p.m.: THE IMPACT OF CULTURAL DIVERSITY: DELIVERING QUALITY.** An interactive workshop, this new course explores customer service as an interaction between people of different backgrounds and cultures to develop the skill necessary for delivering quality service to a culturally diverse clientele. "World Class Service," "Service as if Culture Matters — and It Does," and "We Are Not the Same" are some of the topics addressed in this course.

■ **Tuesday, Oct. 18, 9 a.m. to 4 p.m. and repeated on Tuesday, Nov. 15, and Tuesday, Jan. 31: UNDERSTANDING AND VALUING DIVERSITY.** This course offers participants the understanding and appreciation for diversity that is essential to increase efficiency in a multicultural organization. Topics covered are defining diversity, the impact of stereotyping, and diversity awareness inventory.

■ **Tuesday, Oct. 25, 1:30 to 4:30 p.m.: SEXUAL HARASSMENT: KNOW YOUR RIGHTS AND RESPONSIBILITIES.** Through reviewing higher education case studies, the legal basis of sexual harassment, and the procedure for resolving a sexual harassment complaint at Penn State, participants in this course will gain the ability to identify

what behavior constitutes sexual harassment.

■ **Tuesday, Nov. 1, 1:30 to 4:30 p.m.: ISSUES OF SEXUAL ORIENTATION IN THE WORKPLACE.** This course reveals how our attitudes about sexual harassment influence our behavior in the workplace. Topics covered are stereotypes, defining homosexuality, and attitudes and behaviors.

■ **Thursday, Nov. 17, 1:15 to 4:30 p.m.: THE AMERICANS WITH DISABILITIES ACT (ADA).** A basic knowledge of the ADA, which is a prerequisite for this course, will be expanded upon to develop skills relating to ADA/disability issues in the workplace. Topics covered include ADA/disabilities resources, coping with drug and alcohol abuse, and pre-employment inquiries.

■ **Wednesday, Dec. 14, 1:30 to 4:30 p.m.: SUCCESSFUL CROSS-CULTURAL COMMUNICATION.**

Through the recognition of cultural differences, this program provides United States-born and international Penn State employees with the knowledge to turn their interaction into a more positive experience. Some topics discussed include the process of forming friends and rules for negotiating agreements. Registration for diversity and equity courses must be received at least two weeks before the start of class. Confirmation of registration will then be mailed to you. However, if you miss the two-week deadline, call 865-8216 to check if space is available. You may register by calling (814) 865-8216 or by faxing your request to (814) 865-3522. You may also send your request by campus mail to HRDC, Box 20, Rider Building.

## University's largest group of Fulbrights participating this year

Penn State now has 19 students studying abroad on grants administered under the 1994-95 Fulbright competition.

"It's exciting to see so many outstanding students competing, and to see Penn State students so successful. This is the largest group of students we have ever had in the Fulbright program at any one time," says Mary Gage, Penn State's Fulbright adviser who has been encouraging qualified students to apply for the nationally competitive scholarships.

Penn State's Fulbright awardees, their major, their home town and the country for which they were awarded grant or teaching assistantships are:

■ **Stefan Bieniawski, M.S. in engineering from State College, to study in Germany.**

■ **Jennifer DeLuio, senior in geoscience from Media, to study in Australia.**

■ **Pilar Diaz, M.A. in art history from Los Angeles, Calif., to study in Italy.**

■ **Anthony G. Fleury, Ph.D. in speech communication from Baltimore, Md., to study in New Zealand.**

■ **Nicole Gardner, senior in world literature and history from Dallas, to be a teaching assistant in Korea.**

■ **Nathan Giles, senior in environmental resource management from Poytelle, to be a teaching assistant in Germany.**

■ **Dana Ginder, senior in international politics and German literature from Litzitz, to be a teaching assistant in Germany.**

■ **Jovana Jenkins, senior in journalism, from Philadelphia, to be a teaching assistant in Korea.**

■ **Christian Jurs, senior in international politics from State College, to study in Croatia.**

■ **Denise Keim, M.F.A. in photography from Erie, to study in Poland.**

■ **Heather Liszka, senior in engineering science from State College, to study in Italy.**

■ **Jill Makuch, senior in education and French from Windber, to be a teaching assistant in France.**

■ **Diane Miller, senior in English and French from Jeannette, to study in Canada.**

■ **James Pawelski, Ph.D. in philosophy from Dayton, Ohio, to study in Germany.**

■ **Stephanie Rothschild, senior in French literature from State College, to be a teaching assistant in France.**

■ **Beth Schiavino, senior in elementary education from Quakertown, to be a teaching assistant in Korea.**

■ **Kevin Smith, Ph.D. in anthropology from State College, to study in Kenya.**

■ **Michele Szafranski, senior in science and second grade education from Pottsville, to study in Mexico.**

■ **Andrew Witko, senior in international politics from Gouldsboro, to be a teaching assistant in France.**

## DIVERSITY

### DIVERSITY BRIEF

#### Lesbian/gay/bisexual group to meet

The Lesbian/Gay/Bisexual Faculty, Staff and their Allies will meet at 5:30 p.m. Wednesday, Oct. 5, in 110 Henderson Building at University Park. The first meeting will be focused on organizing small groups to plan for the year's events, and on an update on domestic partner benefits.

The group has been in existence for two years and has as its general purpose the improvement of the climate for Penn State employees who are lesbian, gay or bisexual. The group welcomes faculty and staff allies who do not fall into those categories but who support the right of those employees to be treated equitably in the workplace.

Over the past two years the group has functioned as an information sharing and networking organization, has been involved in discussions and action relative to domestic partner benefits, and has occasionally sponsored informal social events.

For additional information about the group and/or to be added to the mailing list, please call 863-0559.

### Conference on international education set for Oct. 6 and 7 at the Nittany Lion Inn

The Pennsylvania Council for International Education will hold its 25th annual conference Oct. 6 and 7 at the Nittany Lion Inn on the University Park Campus. Theme of the conference is "PaCIE and International Education: The Next 25 years."

Keynote speaker will be Richard Falk, Woodrow Wilson School of Public and International Affairs, Princeton University, who will discuss "International Education and World Order: 21st Century Challenges." Richard Lambert, director emeritus, National Foreign Language Center, Johns Hopkins University, and professor emeritus of sociology at the University of Pennsylvania, will be the featured speaker at the conference banquet.

Panel topics will include "Multicultural Education and International Education," "Study Abroad: The Next 25 Years," Trends in Language Learning and International Education," and "Trends in Area Studies and International Education."

University faculty and staff making presentations at the conference include James B. Stewart, vice provost for educational equity; Stanley Nowak, assistant professor of Spanish, humanities and social science, Penn State Altoona Campus; Jeannette Bragger, professor and head of the Department of French, and Julia Hewitt, chair, Latin-American Studies Committee.

## News in Brief

### Drug abuse conference

The first all-University conference on "approaches to Combating Alcohol and Other Drug Abuse" will be held from 9:30 a.m. to 4 p.m. at the Nittany Lion Inn, Oct. 4. Faculty, staff and students at all locations are invited to attend.

The keynote address by Dr. Richard P. Keeling, director of University Health Services and professor of medicine at the University of Wisconsin-Madison, will begin at 10:15 a.m. Four, 50-minute concurrent workshops will be offered throughout the day, beginning at 11:30 a.m. and covering topics from developing programs on alcohol and sexual assault, to addictions among college students, to community coalitions for tobacco-free youth and the role of off-campus agencies in prevention programs.

Lunch is free on a first-registration basis. For a reservation, call Natalie Croll or Ann Hollender at (814) 863-0461.

### Office move

The Office of Administrative Services, Office of University Development, has moved to 9 Brumbaugh Hall on the University Park Campus. The telephone numbers remain the same.

### NSF grant

John Ashley, Leah Devlin and Neil Mercado, assistant professors of biology at the Penn State Schuylkill Campus, have received a \$91,300 grant from the National Science Foundation.

The primary objective of the proposal, "The Scientific Method and Computer Literacy: A New Biology Curriculum at Penn State University Schuylkill Campus," is to enhance student understanding and skills in the area of scientific investigation as a means of active learning. The propos-

al stresses the integration of computer-driven data acquisition systems and multi-media approaches in the biology laboratories.

### Research Forum

Graduate students in biomedical sciences in the College of Medicine at Hershey Medical Center will host the Seventh Annual Graduate Student Research Forum Thursday and Friday, Oct. 6 and 7, at the Medical Center.

Oral presentations will be held from 10 a.m. to 3 p.m., Thursday. They will be followed by the keynote speaker, Dr. Norman W. Barton, who will speak on "Development of Enzyme Replacement Therapy for Gaucher's Disease: What Were the Critical Laboratory Investigations?"

Posters will be available for viewing from 10 a.m. Thursday through 6 p.m. Friday. Students will present their posters between 10 a.m. and noon on Friday.

### Equestrian team

The Penn State Equestrian team is hosting two intercollegiate horse shows on Sunday, Oct. 2 and 9, at Eastwood Farms in Bellefonte. Jumping begins at 9 a.m. and the show continues all day. Come and support the team, undefeated 1993 zone and regional champions. Admission is free. Call 355-4523 for more information.

### Phi Beta Kappa

Lambda of Pennsylvania, the Penn State chapter of Phi Beta Kappa, is updating its membership list. Members of Phi Beta Kappa who are new to the University or who have not been receiving mailings from the local chapter should contact Joyce Wilusz, 214 Willard, 863-2635, to be added to the list.

Faculty members interested in

becoming their department representatives in the chapter may contact Helen Warren, Spruce Cottage, 863-4174, or Judd Arnold, 229 S. Burrows, 863-4242.

### Center for Women Students

The Center for Women Students is planning to offer a Dissertation Support Group for women graduate students. The group would meet once a week (or biweekly) to offer support and discuss issues related to being a graduate student and working on a dissertation throughout various stages. Date, time and place to be determined.

If you are interested, please contact Terri Wall, CWS graduate assistant, at 863-2077. Leave your name and phone number and you will be contacted with additional information.

### Paid volunteers needed

Overweight females are needed for a study of eating behavior conducted in the Nutrition Department at University Park. The study would involve coming to the Food Intake Lab (102 Benedict House) for lunch, returning five hours later for dinner, taking snacks home for the evening, then returning the next morning for breakfast. The study would be one day a week for four weeks. At all of the meals you may eat as much or as little as you like, but at the lunch meal you would be asked to eat a bowl of cream of broccoli soup prior to lunch.

Volunteers must be overweight females, between the ages of 18-40, non-diabetic, non-smoking, must usually eat breakfast and must like cream of broccoli soup. Participants will be compensated for their time. If interested, please call Shelly at 863-4482. Principal investigator is B.J. Rolls.

### Education Summit scheduled for Oct. 7 and 8

Crime and violence in the schools, technology in education, and total quality management are among the topics on the agenda of the 1994 Penn State Education Summit.

The College of Education will host the summit Oct. 7 and 8 at the Penn State Scenic campus on the University Park Campus. It is co-sponsored by the Pennsylvania State Education Association and Central Intermediate Unit 10.

The inaugural summit will be uniquely organized around a series of long interactive sessions in which attendees and a panel comprised of faculty members and colleagues from area schools explore one of the conference themes.

"Our plan is to keep this first conference broad in scope," says Peter Rubba, professor of science education and head of the Curriculum and Instruction Department in the College of Education.

"There will be five themes: crime and violence in schools; inclusion, technology and education; school and community partnerships; and total quality management."

The conference is designed for teachers, administrators, school board members and community leaders. The speakers include prominent University faculty members, representatives from the Pennsylvania State Education Association and from various school districts.

In addition, there will be special sessions including topics such as constructivist approaches to learning and changing relationships between professional teachers, associates and school boards. Conference registration can be arranged through Judy Hall, summit conference coordinator, at (814) 863-5130.



## LEADERSHIP PROFILE



August H. Simonsen, CEO of Penn State Fayette.

**W**HEN FAYETTE'S CEO, AUGUST H. SIMONSEN, DECIDES TO TAKE ON A PROJECT, HE DOESN'T STINT.

As a professor in environmental sciences, his effectiveness in the classroom has earned him campus, college and University teaching awards.

Then there's his vegetable garden. Last summer, he put in no less than 100 tomato plants — to the ultimate benefit of friends, neighbors and community.

And since he accepted his leadership responsibilities two years ago at Fayette, he has wasted no time in trying to reposition the campus for an era of restructuring.

"When I came on board," he notes, "the idea that we should pursue health-related fields of programming had already been broached, and our advisory board, faculty and staff agreed that we should go full speed ahead to try and win approval from the College of Health and Human Development and CES."

"Shortly afterward, we began negotiations with our local Uniontown Hospital School of Nursing to arrange the transfer of their program and faculty to Fayette. Within seven months, we had obtained our goal of setting up a new associate degree program."

Dr. Simonsen is justifiably proud of the fact that the State Board of Nursing, in approving the plan, commended the campus as a role model for cooperation between a university and a community.

Opening with 50 students and three faculty members last January, the nursing program now enrolls 100 students with nine instructors.

"That success," Dr. Simonsen says, "persuaded local legislators and community leaders to help us get approval and funding from the state for a biomedical technology center. An architect has already been selected and is drawing up plans."

"The building will not only house the nursing program but also will benefit all of our students by providing new chemistry, biology and physics laboratories with state-of-the-art equipment."

The past two years have seen the renovation of Fayette's engineering building, with a computer-assisted drawing lab and the construction of two "high tech" classrooms incorporating the latest in multi-media equipment. One lecture hall accommodates 30 students, while the other, which is available for community-wide use, seats 200.

In addition, funds raised by the campus have furnished two comput-

## AUGUST H. SIMONSEN

### RESTRUCTURING TO MEET THE CHANGING NEEDS OF STUDENTS

THE ACADEMIC EMPHASIS HAS NOW SHIFTED TO PROGRAMS IN ARCHITECTURAL AND ELECTRICAL ENGINEERING TECHNOLOGY, AS WELL AS BUSINESS ADMINISTRATION AND LETTERS, ARTS AND SCIENCES.

er labs using IBM and Power Macintosh platforms.

Looking ahead, Dr. Simonsen can even envision a science park arising on the campus, a project now in an early discussion stage with area businessmen and leaders.

"We are fortunate to have more than 200 acres here," he points out, "so we have plenty of space to share."

Located in a coal mining region, midway between Connellsville and Uniontown, Fayette came into being in 1965 at the request of the local citizenry. The campus offered the first coal production associate degree program in the country and was a national pioneer in developing a two-year mining technology degree.

The academic emphasis has now shifted to programs in architectural and electrical engineering technology, as well as business administration and letters, arts and sciences. "Location-bound" undergraduates can earn a baccalaureate degree in general arts and sciences, while an administration of justice baccalaureate degree is open to all students.

Local history has not been forgotten, however. Many mining families still reside in the county, and the campus has established a temporary museum that preserves a record of coal mining in southwestern Pennsylvania. Some 450 hours of oral interviews with miners and their families have been amassed, along with more than 1,800 related photographs and slides. Dr. Simonsen hopes one day to see these materials housed in a permanent coal and coke museum on the campus.

While Dr. Simonsen's personal history at Fayette dates back only to 1992, his tenure at Penn State is much longer. After earning B.S. and M.A. degrees from Concordia University, he taught in a high school in New York City, arriving at University Park to obtain his M.Ed. in earth sciences in 1969 and a D.Ed. eight years later. His research interests lie in the area of invertebrate paleontology.

He joined the faculty at Penn State McKeesport in 1970 as an instructor in environmental sciences and currently holds professorial rank. In 1972 and 1980, McKeesport presented him with Outstanding Teaching Awards. He received the AMOCO Foundation Outstanding Teaching Award from the University in 1982 and the College of Earth and Mineral Sciences' Matthew and Anne C. Wilson award in 1990.

Although he wasn't able to convince any of his three children to become geologists, he notes that they did like to accompany him on field trips.

"They often were better at spotting fossils than my college students," he recalls.

They also share their father's passion for photography, a skill he has recently been putting to good use by shooting color slides to illustrate Fayette's brochures.

Dr. Simonsen's wife, Mary, is a junior high school French teacher, and their oldest daughter, Heidi, a high school math teacher in New York. Their son, Erik, a graduate of the U.S. Air Force Academy, flies out of Langley, VA, while, Kristi, the

PENN STATE





## Rankings

continued from page 1

### BEST VALUES

#### NATIONAL UNIVERSITIES

Rank	Total Cost
<b>BEST VALUES</b>	
1. University of Texas at Austin	\$9,507
2. Texas A&M Univ. at College Station	\$9,293
3. Georgia Institute of Technology	\$11,371
4. University of Florida	\$11,270
5. University of Georgia	\$9,750
6. Univ. of North Carolina at Chapel Hill	\$13,206
7. Univ. of Tennessee at Knoxville	\$9,248
8. SUNY at Binghamton	\$11,508
9. University of Washington	\$12,417
10. University of Iowa	\$11,736
11. University of Wisconsin at Madison	\$13,386
12. Rice University (TX)	\$16,040
13. Rutgers State U. at New Brunswick	\$13,161
14. Univ. of Illinois at Urbana-Champaign	\$13,054
15. University of Nebraska at Lincoln	\$9,100
16. SUNY at Buffalo	\$11,705
17. University of Kansas	\$10,766
18. Iowa State University	\$10,936
19. Florida State University	\$10,740
20. University of Virginia	\$16,760
21. Univ. of Minnesota at Twin Cities	\$13,107
22. SUNY at Stony Brook	\$11,557
23. SUNY at Albany	\$11,200
24. University of California at Berkeley	\$17,894
25. Univ. of California at Los Angeles	\$17,163

#### RUNNERS-UP

In alphabetical order

Baylor University (TX)	\$10,940
California Institute of Technology	\$21,956
Clemson University (SC)	\$11,725
College of William and Mary (VA)	\$17,766
Colorado School of Mines	\$17,004
Indiana University at Bloomington	\$14,145
Miami University (OH)	\$13,614
Michigan State University	\$14,915
Michigan Technological University	\$12,231
Northwestern University (IL)	\$21,924
Ohio State University at Columbus	\$13,799
Ohio University	\$12,081
Penn State at University Park	\$14,775
Purdue Univ. at West Lafayette (IN)	\$13,546
Rutgers State Univ. at Newark (NJ)	\$13,136
University of Arizona	\$11,716
University of California at Davis	\$17,358
University of California at Irvine	\$17,326
University of California at San Diego	\$18,434
University of Michigan at Ann Arbor	\$20,566
University of Missouri at Columbia	\$12,956
University of Missouri at Rolla	\$13,208
University of Notre Dame	\$21,397
Virginia Tech	\$13,435
Wake Forest University (NC)	\$18,210

The top 25 national universities are listed in rank order. Two Pennsylvania institutions are included in this grouping: the University of Pennsylvania (12th) and Carnegie Mellon University (24th), both of them private universities.

Penn State and Lehigh, a private university, are listed alphabetically with the institutions in "tier one" that rank 26th through 57. The remaining 172 universities are listed alphabetically in tiers two, three and four.

Two Big Ten universities are ranked among the top 25 national universities: Michigan and Northwestern. Five Big Ten universities are ranked in tier one: Penn State at University Park, the University of Illinois at Champaign-Urbana, the University of Iowa, the University of Minnesota at Twin Cities, and the University of Wisconsin at Madison.

In addition to the U.S. News rankings, Penn State was ranked No. 1 nationally on the basis of its 1994 football team NCAA graduation rate by *Time* magazine in its Sept. 12 issue (p. 36). *Time* reranked the Associated Press's top 25 football team rankings in terms of their most recent NCAA graduation rates to show how those schools' football players were faring in the classroom.

Penn State ranked No. 1 with a 92 percent graduation rate, followed by No. 2 UCLA with 85 percent.

### BEST NATIONAL UNIVERSITIES

#### TIER ONE

Schools ranked 26th to 57th

(listed alphabetically)

Boston College
Boston University
Brandeis University (MA)
Case Western Reserve University (OH)
College of William and Mary (VA)
Colorado School of Mines
Georgia Institute of Technology
Lehigh University (PA)
New York University
Penn State at University Park
Pepperdine University (CA)
Rensselaer Polytechnic Institute (NY)
Rutgers at New Brunswick (NJ)
SUNY at Binghamton
Tufts University (MA)
Tulane University (LA)
University of California at Davis
University of California at Irvine
University of California at Los Angeles
University of California at San Diego
University of California at Santa Barbara
University of Florida
Univ. of Illinois at Urbana-Champaign
University of Iowa
University of Minnesota at Twin Cities
University of North Carolina at Chapel Hill
University of Rochester (NY)
University of Southern California
University of Texas at Austin
University of Washington
University of Wisconsin at Madison
Wake Forest University (NC)

## Grad Fellows

continued from page 1

The Penn State recipients are:

—Margaret Bailey of Lewistown, architectural engineering, College of Engineering, will continue her graduate study at Penn State.

—Brad Garcia, of Irwin, computer and electrical engineering, College of Engineering, will study at Massachusetts Institute of Technology.

—Renee M. Hile of University Park, chemistry, Eberly College of Science, will study at California Institute of Technology.

—Maura Ann McLaughlin of Oreland, astronomy and astrophysics, Eberly College of Science, will study at California Institute of Technology.

—Karen E. Miller of Stewartstown, molecular and cell biology, Eberly College of Science, will study at Johns Hopkins University.

—Steven F. Nagle of Bellefonte, earth sciences, College of Earth and Mineral Sciences, will continue his studies at Penn State.

—Steve Petch of Reading, geology, College of Earth and Mineral Sciences, will study at University of Washington.

—Jonathan Pritchard of Pine Grove Mills, molecular and cell biology, Eberly College of Science, will study at Harvard University.

—Mark Ulitsky of Philadelphia, chemical engineering, College of Engineering, will continue his studies at Penn State.

—Bryan S. Wang of Oaks, molecular and cell biology, Eberly College of Science, will study at Massachusetts Institute of Technology.

Coming to the University to pursue their graduate study are:

—James Duda of New Castle, Case Western University, studying mechanical engineering in the College of Engineering.

—Elizabeth Elise Eller of State College, Brown University, studying anthropology in the College of the Liberal Arts.

—Cheryl Granger of Ashford, Conn., College of William and Mary, now in the Eberly College of Science.

—Alison E. Pike of State College, University of California, Davis, studying human development and family studies in the College of Health and Human Development.

—Lily Wang of Hixson, Tenn., Princeton University, studying acoustics in the College of Engineering.

## Renaissance

continued from page 1

residency, he served two years in the U.S. Army Medical Corps. He began his practice at ObGyn Group of State College in July 1964.

The dinner will begin at 7 p.m., preceded by a reception beginning at 6 p.m. Master of ceremonies this year will be Dr. Paul Carney. Members of the St. Paul's United Methodist Church senior choir will perform several numbers in Dr. Rohrbach's honor.

For more information about how to obtain dinner tickets and make scholarship gifts in Dr. Rohrbach's honor, contact the University's Office of Annual Giving at 863-2052.

### CARPPOOL

Looking for carpool from Philipsburg to University Park. Work hours 7:30 a.m.-4:30 p.m. Monday through Friday. Call BJ at 865-2529.

## LECTURES

### Professor of sculpture to open lecture series on Oct. 4



**"A Reclamation Garden"**

An evolving landscape project by Winifred Lutz graces the grounds of the Abington Art Center in Abington, PA.

Winifred Lutz, professor of sculpture at the Tyler School of Art, Temple University, will open the 1994-95 Department of Landscape Architecture Bracken Lecture Series with a lecture titled "Recent Installations: Site Integration in Time and Place" at 8 p.m. Tuesday, Oct. 4, in Room 26 Hosler Building on the University Park Campus.

Professor Lutz is an internationally acclaimed artist whose site integrated sculpture installations have transcended the boundaries between art, landscape architecture and architecture. Many of her recent installations have sought "the evocation...of site memory, a composite of the geological, biologic, architectural, and social history that defines a place."

She currently is at work, with Stacy Levy, on the Memorial for Pennsylvania Recipients of the Congressional Medal of Honor for the State Capitol Building, Harrisburg.

Before becoming a professor of sculpture at the Tyler School of Art, she taught at the Yale School of Art in New Haven, Conn., and Aquinas College in Grand Rapids, Mich. Ms. Lutz is a graduate of Cranbrook Academy of Art (M.F.A. 1968) and the Cleveland Institute of Art (B.F.A. 1965). She was a awarded a Pew Fellowship in the Arts (1992) and has received major grants from the Pennsylvania Council on the Arts (1990) and the National Endowment for the Arts (1984).

The lecture is free to the public.

### Dan Quayle to speak at Behrend Oct. 13

Former Vice President Dan Quayle will "stand firm" in a lecture at Penn State Erie, The Behrend College, on Thursday, Oct. 13.

"Standing Firm," also the title of his latest book, is the theme for Quayle's lecture, which will begin at 8 p.m. in Erie Hall. He will speak as part of Penn State-Behrend's 1994-95 Speaker Series, "The American Agenda," sponsored by the Office of Student Affairs and funded in part by the John Nesbitt Rees and Sarah Henne Rees Charitable Foundation.

Admission to the lecture will be \$3 for the public. A limited number of tickets will be sold in advance at the

Reed Union Building main desk between the hours of 9 a.m. and 11 p.m. weekdays, and a limited number will be available at the door that evening. The doors will open at 6:30 p.m.

Mr. Quayle currently is chairman of the Competitiveness Center of the Hudson Institute, a non-partisan educational institute founded in 1993 to help America meet the challenge of global competition.

For more information about his Penn State-Behrend lecture, call the Office of Student Activities at 898-6171.

### When is a book not a book? Find out Oct. 10 at University Park

The second annual lecture for the Penn State Center for the History of the Book will be delivered by Robert L. Patten, professor of English at Rice University, at 3:30 p.m. Monday, Oct. 10, in Carnegie Auditorium on the University Park Campus.

Professor Patten's talk, "When Is a Book Not a Book?" will concentrate on texts not initially composed for book publication. Charles Dickens' *Oliver Twist* is an example of such a text. He will discuss the changes wrought on such works when they are issued in volume form, with contemporary context sheared away.

Professor Patten's books include *Dickens and His Publishers* and, most

recently, the first of two volumes of a biography of George Cruikshank. He is a former NEH and Guggenheim Fellow, and serves as editor of the scholarly journal *Studies in English Literature*.

Following the lecture, there will be a reception in the West Wing Staff Lounge of Pattee Library, adjacent to the Rare Books Room.

The Center for the History of the Book, which promotes the study of print culture, is an interdisciplinary venture supported by the Department of English, the College of the Liberal Arts, and the University Libraries.

### Head of L.A. technology firm to present Kudroff Lecture on Oct. 6

Albert A. Dorman, founding chairman of one of the largest architectural engineering companies in the world, will present the 1994 Kudroff Memorial Lecture. He will speak on "Architectural and Engineering Managers: Who Needs Them?" at 3:45 p.m. Thursday, Oct. 6, in Room 22 Dieke Building, at University Park.

As head of AECOM Technology Corporation of Los Angeles, Mr. Dor-

man leads a company that employs more than 6,000 people with 100 offices worldwide.

The lecture is sponsored by the Department of Architectural Engineering and The Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment.

A reception with light refreshments will follow the lecture.

### University of Michigan professor to kick off economics seminar series

Joel B. Slemrod, of the University of Michigan, will be the first speaker in the 1994-1995 Seminar Series sponsored by the Department of Economics and the Institute in Policy Research and Evaluation. He will discuss "A General Model of the Behavioral Response to Taxation" at 2:30 p.m. Thursday, Oct. 13, in Room 367 Willard Building at University Park.

Dr. Slemrod received his Ph.D. from Harvard in 1980 and currently is the Jack D. Sparks Whirlpool Corporation Research Professor of business administration and professor of economics at the University of Michigan. An expert on domestic and international tax issues, he has edited five books and written over 60 articles that

have been published in leading economic and tax journals. He is a research associate at the National Bureau of Economic Research and the editor of the *National Tax Journal*.

Other speakers in the series include Anne O. Krueger, president-elect of the American Economic Association and professor of economics at Stanford University, Oct. 28; Nancy Stokey, professor of economics at the University of Chicago, April 13, 1995, and Douglas North, Henry R. Luce Professor of economics at Washington University at St. Louis and a 1993 Nobel Laureate.

For more information, contact Thomas Gresik, associate professor of economics, at 863-8007.

### Leadership seminar series continues Oct. 6

Michael Brunner, retired president of AT&T Federal Systems, will speak on "Leadership As Service" at 4 p.m. Thursday, Oct. 6, in 123 Electrical Engineering East at University Park.

A 39-year veteran of AT&T, Mr. Brunner is known for developing highly successful computer and telecommunications systems for the federal government. His service credentials include leadership roles in Junior

Achievement, United Way and the Boy Scouts of America. A 1955 industrial engineering graduate, he also chairs the Leonard Center Advisory Board.

The lecture is part of a continuing leadership seminar series sponsored by the Leonard Center for the Enhancement of Engineering Education and the Department of Electrical Engineering.



# Investigative reporter and journalist to give Pockrass Memorial Lecture on Oct. 4

Kati Marton, journalist and author of *The Polk Conspiracy: Murder and Coverup in the Case of CBS News Correspondent George Polk*, will present the 1994 Robert M. Pockrass Memorial Lecture at 4 p.m. Oct. 4, in Ballroom D/E, Nittany Lion Inn at University Park.

Ms. Marton, who has reported from the United States, Europe, and the Far East in a varied career spanning nearly two decades, will speak on "Investigating History—The Case of the Murder of George Polk."

The lecture, sponsored by the School of Communications, is free to the public. It is named after the late Robert M. Pockrass, a member of the journalism faculty from 1948 to 1977. Dr. Pockrass, who specialized in public opinion and popular culture, served as the school's graduate officer and taught radio news writing.

Since 1980, Ms. Martin has published four books and contributed as a reporter to numerous news organizations, including ABC News, Public Broadcasting Services, National Public Radio, *Atlantic Monthly*, *The Times of London*, *The Washington Post*, *The Wall Street Journal*, *Newsweek*, *Vanity Fair*, and *The New Republic*.

From 1977 to 1979, she was Born Bureau chief and foreign correspondent for ABC News. During this time, she reported from Poland, Hungary, Italy, Holland, Northern Ireland, East Germany, and other countries, in addition to her base in West Germany.

She was a news writer/reporter at WCAU-TV, the CBS-owned and operated affiliate in Philadelphia from 1973 to 1977. Before this, she was a reporter for National Public Radio in Wash-

ington, D.C., where she was involved in the development of the program *All Things Considered*.

Ms. Marton has received several prestigious honors for reporting, including a Gannett Fellowship in 1988 and a George Foster Peabody Award for a one-hour documentary on China in 1973. She was a visiting scholar at Columbia University's Freedom Forum Media Studies Center from 1992-93. She also has a Philadelphia Press Association Award for Best Television Feature Story in 1974 and a Channel 12 (PBS) Award for reporting in 1973.

Born in Hungary, she received a B.A. in romance languages in 1969 and an M.A. in international relations in 1971 from the George Washington University.

# Chemical engineering seminars begin Oct. 4

Topics ranging from re-inventing hate speech to small technology business problems, to U.S. R&D will be covered in the 1994 Department of Chemical Engineering Fall Seminar Series.

The seminar sessions are on Tuesdays from 2:45 to 4 p.m. in 140 Fenske Laboratory at University Park. The sessions are free and open to the public.

The seminars are:  
Oct. 4: "Educational Reform: Do We Know What We're Doing?" George Andrews, Evn Pugh Professor of mathematics.

Oct. 18: "Re-Inventing U.S. R&D Policy after the SSC and the Endless Frontier," Rustum Roy, Evn Pugh Professor of solid state.

Nov. 1: "An Oblique Look at Political Correctness: The Problem of Hate Speech," Phillip E. Stebbins, associate professor of history.

November 22: "The Small Technology Business: Problems and Opportunities," Wallis A. Lloyd, vice president and R&D director, Cannon Instrument Co.

# Faculty / Staff Alerts

## December/New Year's Holiday Schedule

University offices and operations, except for essential services and operations, will close at the normal end-of-business time on Thursday, Dec. 22, and will resume at normal starting times on Tuesday, Jan. 3, 1995.

The official University holidays are Sunday, Dec. 25, through Friday, Dec. 30, and Monday, Jan. 2, 1995. Friday and Saturday, Dec. 23 and 24, are not University holidays, nor are Saturday, Dec. 31, or Sunday, Jan. 1.

University policies provide that if a holiday falls on a Sunday, it is observed on the following Monday, except for Christmas. Christmas and New Year's Days both fall on Sundays. Therefore, Sunday, Dec. 25, will be a holiday, but the New Year's holiday will be observed officially on Monday, Jan. 2.

Policies provide further, however, that equivalent time off is granted to an employee, if a holiday falls on the employee's normal day off. Therefore, those employees who normally do not work Sundays will receive compensatory time for the Sunday, Dec. 25 holiday. There will not be compensatory time for Sunday, Jan. 1, since New Year's will be observed instead on Monday, Jan. 2.

Closing offices and operations wherever possible on Friday, Dec. 23, will permit the University to realize the maximum in energy savings and provide most employees more time off before Christmas. The compensatory day off for Christmas will be used for work absences on Friday, Dec. 23, because of offices and facilities not being open on that day.

However, any individual who chooses to work will be permitted to do so. In such instance, temperature conditions in the work area may be less than ideal.

Dec. 23 will not be a holiday. If an employee works that day, normal nonholiday pay policies will apply. However, if an employee who has a compensatory day coming for the Dec. 25 holiday works on Dec. 23, he or she will still have the compensatory day for use at another time.

The special holiday schedule will not increase the number of holidays granted. It will provide, however, a generally more desirable and efficient applications of the time off.

In keeping with this schedule, the Payroll Office has announced that biweekly payroll checks will be distributed on Thursday, Dec. 22 and will be negotiable on that date. Monthly payroll checks will be distributed before the close of business, but will be dated Friday, Dec. 30, and will not be negotiable before then. Automatic deposit to checking accounts will not occur early.

This schedule and payroll information is not applicable for The Milton S. Hershhey Medical Center employees there on service days in lieu of the extra December holidays.

Questions regarding the above holiday information should be directed to the appropriate college or department human resources representative, or director of business services at a facility away from University Park.

## HRDC courses

The following courses are being offered by the Human Resource Development Center:

■ **Practical Tips for Business Travelers (PER 009)** Designed to provide employees who travel with a series of "useful tips for business trips." Meets Monday, Oct. 3, 2 to 4 p.m. in 319 Rider; cost: none.

■ **Flowcharting in Daily Work (CQI 020)** Provides basic information required for flowcharting or process mapping, including discussion of the uses of flowcharts in benchmarking, incremental improvement, and re-engineering. Meets Tuesday, Oct. 4, 1:30 to 4:30 p.m. in 319 Rider; cost: none.

■ **An Overview of CQI (CQI 001)** Offers an introduction to the philosophy of the Continuous Quality Improvement (CQI). Meets Wednesday, Oct. 5, 8:30 to 11:30 a.m. in 319 Rider; cost: none.

■ **Persuasive Business Writing (COM 015)** Provides participants with strategies for creating effective persuasive business documents such as proposals, recommendation reports, and correspondence with internal and external customers. Meets Wednesdays, Oct. 5, 12, 19, and 26, 2 to 4 p.m. in 319 Rider; cost: \$65.

■ **Leadership Through Teamwork (PRO 021)** Focuses on each person's role within their own team, and how to become positive leaders through

teamwork. Meets Thursday, Oct. 6, 8:30 a.m. to 4:30 p.m. at the Shaver's Creek Environmental Center; cost: \$75.

■ **Career Actualization and Life Planning (CAR 004)** Designed for women seeking educational and career information to help them deal with changing life and work circumstances. Meets Fridays, Oct. 7 and 21, 8:30 to 11:45 a.m. in 319 Rider; cost: \$65.

■ **Planning and Conducting Productive Meetings (PRO 016)** Provides participants with practical skills for planning and organizing meetings, establishing agendas, and conducting productive meetings. Meets Friday, Oct. 7, 1:15 to 4:45 p.m. in 319 Rider; cost: \$35.

■ **Using ISIS Aids (ADC 011)** Designed to help participants learn how to extract selected information from ISIS using the appropriate AIDA and to custom print reports for student lists, enrollment figures, retention statistics, and instructional activity data. Meets Friday, Oct. 7, 8:30 a.m. to noon in 116 Wagner; cost: \$40.

■ **Applying Quality Principles (CQI 002)** Will provide the skills necessary to improve daily work processes. Meets Monday, Oct. 10, 8:30 a.m. to noon in 319 Rider; cost: none.

■ **Benchmarking (CQI 003)** By means of benchmarking, an organization can determine how its critical processes compare with the best in its class. Meets Tuesday, Oct. 11, 1:30 to 4:30 p.m. in 319 Rider; cost: none.

■ **Self-Directed Work Teams at Penn State: A Panel Overview (PRO 034)** Designed to provide an overview of self-directed work teams (SDWTs) from people who are involved with Penn State teams at various levels of formation and functioning. Meets Tuesday, Oct. 11, 10 a.m. to noon in 101 Kern; cost: none.

■ **Surviving and Thriving in a Changing Organization (PRO 031)** Provides participants with an overall perspective that will help them to function effectively in today's constantly changing organizations. Meets Tuesday, Oct. 11, 8:30 to 11:45 a.m. in 319 Rider; cost: \$35.

■ **Violence in the Workplace (WEL 064)** Designed to help managers and supervisors assess employee potential for acting violently in the workplace. Meets Thursday, Oct. 13, 1:15 to 4:45 p.m. in 319 Rider; cost: none.



# The ARTS

AT PENN STATE

## Della Reese to perform

Grammy-nominated gospel singer Della Reese will present "Some of My Best Friends Are the Blues" at 8 p.m. Thursday, Sept. 29, in Eisenhower Auditorium on the University Park Campus.

In this journey through the heart and soul of the blues, Ms. Reese will sing such musical standards as "Roll 'em Pete," "I Got It Bad And That Ain't Good," and "Tain't Nobody's Business If I Do." The concert will feature four dancers, as well as a four-piece rhythm section.

Since the 1950s, Ms. Reese has recorded more than 25 albums and appeared in almost 20 television shows, earning an Emmy nomination for her work in "Nightmare in Badham County." In addition, she was seen in the feature films "Distinguished Gentlemen" and "Harlem Nights," with Eddie Murphy.

This season, she appears on the new CBS series "Touched By An Angel." In addition to acting, she currently is writing songs, both for herself and other performers.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. - 4:30 p.m. at (814) 863-0255.

## Shaver's Creek

Shaver's Creek Environmental Center is offering several public programs in October.

—A trip to Hawk Mountain Sanctuary on Saturday, Oct. 1, to watch migrating hawks. Registration includes an introductory program on hawk migration, held at Shaver's Creek the evening before the trip.

—"128 Years in the Water," a history of the Pennsylvania Fish and Boat Commission, 2 p.m. Sunday, Oct. 16. The program will include information on the area's native fish and where to find them.

In addition, Shaver's Creek will have its annual Halloween Trails again this year. The Haunted Forest Trail will be open Friday through Sunday evening, Oct. 28 through 30, and the Children's Magical Trail (with a friendly, not frightening, theme) is open Saturday and Sunday afternoon, Oct. 29 and 30. Tickets for both trails must be purchased in advance.

Volunteers interested in helping with the Halloween Trails are asked to attend a meeting at 7 p.m. Thursday, Oct. 6. Interested persons also are invited to help carve pumpkins for the trail at 7 p.m. Thursday, Oct. 27. In addition, a Halloween Trail Dress

Rehearsal will be held at 7 p.m. Wednesday, Oct. 26. Civic groups interested in having their members be the audience for this reduced-rate program should contact Shaver's Creek.

Fee information and registration for programs are available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons can

will be equipped with computers, scanners, and printers for visitors to participate in this hands-on experience.

Guest curator, Joan Truckenbrod, area head of the Art and Technology Department at the School of the Art Institute of Chicago, will present a lecture titled "Elastic Visions" at 7 p.m. Monday, Oct. 3, in the Palmer Museum's Lipson Auditorium. She will discuss the work of the artists who she invited to participate in this exhibit as well as the role that computers are playing in contemporary artist's work. Immediately following the lecture, there will be a reception in the breezeway of the Visual Arts Building adjacent to the Palmer Museum of Art.

The exhibit will travel for approximately two years to other art organizations in Pennsylvania and across the nation. Co-sponsors for this exhibition are Apple Computer, Inc., the Pennsylvania Council on the Arts, the Institute for Arts and Humanistic Studies



In the oral tradition

El Hadji Papa Bunka Susso, a keeper of the oral tradition from The Gambia, is shown performing on his 21-stringed kora in a classroom in Willard Building on the University Park Campus. He, along with his cousin Nakoyo Susso, will hold a performance, lecture and conversation session at 7:30 p.m. Thursday, Oct. 6 in the HUB Fishbowl.

Photo: Thomas Hale

also call either number to receive a free copy of Shaver's Creek's seasonal program guide.

## "Elastic Visions"

The exhibit, "Elastic Visions" opens Saturday, Oct. 1, and continues through Saturday, Nov. 5, at the Zoller Gallery on the University Park Campus.

"Elastic Visions" presents art created by national and regional artists who use the computer and related equipment as a tool in their work.

The exhibit consists of two and three dimensional pieces, small installations, and equipment on loan from Apple Computer, Inc. that will allow viewers to participate in creating their own artwork. An area in the gallery

and the School of Visual Arts.

Zoller Gallery is part of the College of Arts and Architecture School of Visual Arts. Located in 101 Visual Arts Building, the gallery is open Monday through Friday from 9 a.m. to 5 p.m.; 11 a.m. to 4:30 p.m. Saturday; noon to 4 p.m. Sunday. Admission is free.

## Bassoon recital

Daryl Durran, assistant professor of bassoon, will present a recital of music for bassoon at 8 p.m. Monday, Oct. 3, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

Performing with him will be Penn State faculty members Steven Smith, piano, and Susan Boardman, soprano. Also performing will be members of

the Penn State Bassoon Society, Lin-Lang Su, Katie Jones and Sydney Rhodes.

The recital is free to the public.

## Italian arias

School of Music faculty members Norman Spivey, baritone; Tony Leach, pianist, and Kim Cook, cello, will present a recital of Italian arias at 8 p.m. Tuesday, Oct. 4, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will include Italian songs and arias by Caccini, Pisselli, Torelli, Monteverdi (Grisol), Cluck (Grise), Handel, Haydn, and Rossini.

The recital is free to the public.

## Flute Ensemble

The Penn State Flute Ensemble, under the direction of Eileen Yarrison, instructor in flute, will perform in concert at 12:10 p.m. Thursday, Oct. 6, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The nine members of the Flute Ensemble are either flute performance majors in the School of Music or other university students who take flute lessons.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## African griots

El Hadji Papa Bunka Susso and his cousin Nakoyo Susso, keepers of the oral tradition from the West African country of The Gambia, will hold a performance, lecture, and conversation session at 7:30 p.m. Thursday, Oct. 6, in the HUB Fishbowl at University Park as part of a week-long artistic residency sponsored by the Comparative Literature Department.

Known regionally as a *griot* and among the Mandinka people as a *jali*, El Hadji Susso

plays the 21-stringed kora, a kind of harp-lute, and has been a featured musician with the Detroit and Baltimore Symphonies. Both he and Nakoyo Susso, a female *griot* or *griotte*, known in Mandinka as a *jali muso*, sing songs and epics in their language, followed by explanations in English of their verbal art and social functions.

The Susso's schedule includes visits to many classes in Comparative Literature, African and African American Studies, Women's Studies, History, French, and Music. They also will meet with students in dormitories, conduct a public workshop on how to play the kora, perform for the Nommo Dance Company, visit the Park Forest Junior High School, attend a reception in their

## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, September 29

Campus America Tour, HUB Lawn. Through Oct. 30.

- International Programs, 9:30 a.m., 222 Boucke Bldg. Graham H. Jeffries on "Health in the Third World: A Kenya Experience."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Saxophone Quartet.  
Undergraduate Education, 2:30 p.m., 108 Warkit Lab. Marcia Baxter Magolda on "Use of Longitudinal, Qualitative Methods to Assess Learning in Academic Majors." For more information, call 863-1864.

- Spanish, Italian & Portuguese, 7:30 p.m., 214 Boucke. Sandra Messinger Cypess on "After La Malinche: Old World Paradigms, New World Masters."

Center for Performing Arts, 8 p.m., Eisenhower Auditorium. Della Reese. Tickets required, call 863-0255.

Friday, September 30

WISE Network meeting, 1-5 p.m., 301 HUB. Call Wendy Baker, 865-3342, for more information.

- Palmer Museum Lecture, 1:30 p.m., Palmer Upton Auditorium. Patrick McGrady on "French Impressionism: The Later Years."

- Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Sandra Kehoe-Forutan on "The Role of Thursday Island in the Torres Strait Island of Australia."

- International Programs, deadline for Student Fulbright competition is 5 p.m. Completed applications should be delivered to the Undergraduate Fellowship Office, 312 Willard.

Saturday, October 1

Parent/Family Weekend, Festival of Cultures, Old Main Lawn.

Shaver's Creek - a trip to Hawk Mountain Sanctuary to watch migrating hawks. Registration includes an introductory program on hawk migration, held the evening before the trip. Call 863-2000.

Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Tom Morton on "Why Does the Palmer Museum Look the Way It Does?"

Synergy, Schwab Auditorium.

Monday, October 3

University Libraries, 9 a.m., 141 Computer Bldg. File Transfer with FTP (IBM Version). Also, 6:30 p.m., 102 Classroom Bldg. InterNexus.

School of Visual Arts, 8 p.m., Palmer Upton Auditorium. Joan Truelsenbrod, "Elastic Visions," will present a slide lecture on artists she selected for this exhibit.

School of Music, 8 p.m., Recital Hall. Daryl Durran, bassoon.

Tuesday, October 4

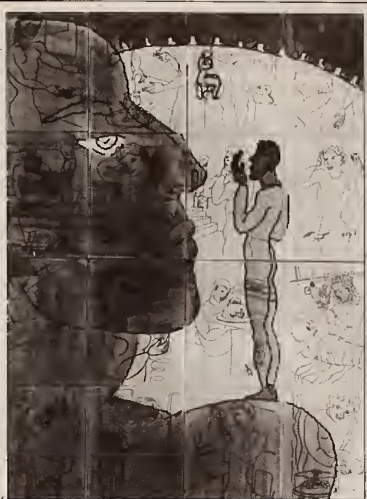
- Palmer Museum Lecture, 7:30 p.m., Palmer Upton Auditorium. George Mauner on "Felix Vallotton and the Eclectic Mainstream of Swiss Art."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Les Misérables. Tickets required, call 863-0255. Through Oct. 9.

Bracken Lecture, 8 p.m., 26 Hoster Bldg. Winifred Lutz on "Recent Installations: Site Integration in Time and Place."

School of Music, 8 p.m., Recital Hall. Norman Spivey, baritone, Tony Leach, pianist, and Kim Cook, cello, presents a recital of Italian arias.

Wednesday, October 5



"Elastic Visions"

Art created by national and regional artists who use the computer and related equipment in their work goes on exhibit Saturday, Oct. 1 at the Zoller Gallery on the University Park Campus.

University Women's Club, 3:30 a.m., College Ave. and Allen St., Walking tour of campus.

Center for Women Students, noon, 120 Boucke Bldg. Connie Matthews on "National Collegiate Alcohol Awareness Week: Women and Addiction."

COI Benchmarking, noon, Alumni Lounge, Old Main. David Christy on "Relationship Between Process Benchmarking and Comparative Analysis."

Graduate Faculty Annual Meeting, 4 p.m., 112 Kern Graduate Building. David A. Shirley to present an update on the Report of the Task Force on Graduate Education and the Implementation Committee on Graduate Education Initiatives.

University Libraries, 6:30 p.m., 102 Classroom Bldg. Using Gopher to Borrow through the Internet.

College of Education Waterbury Forum, 7:30 p.m. Kern Aud. Andrew Rosson on "The Cultural Politics of Nature."

Thursday, October 6

Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Assessing and Evaluating Student Learning in Collaborative Classrooms." To register call 863-2539.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Flute Ensemble. Center for Women Students, 7 p.m., HUB Assembly Room. Sally Greenberg on "Hate Crimes."

Shaver's Creek, 7 p.m. Volunteer meeting for those interested in helping with the Hal-

loween Trails. Call 863-2000.

- Comparative Literature, 7:30 p.m., HUB Fishbowl. El Hadji Papa Bunka Susso and Nakoy Susso, keepers of the oral tradition from the West African country of The Gambia, will hold a performance, lecture, and conversation session.

Friday, October 7

Fall Alumni Weekend

College of Education, Penn State Scanlon. 1994 Penn State Education Summit. Crime and violence in the schools, inclusion, technology in education and total quality management are among the topics on the agenda. Conference registration can be arranged through Judy Hall, 863-5130.

Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Janice Monk on "Finding Their Place: Women in American Geography in the Twentieth Century."

University Resident Theatre Company, 8 p.m., Pavilion Theatre. Keady & DJ. Tickets required, call 863-0255. Continues through Oct. 15. Reception follows in Nittany Lion Inn.

School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

## PUBLIC RADIO

WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.

Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"O'Dyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Go Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

Thursday, September 29

Physics, 3:30 p.m., 101 Osmond Lab. Robert J. Birgeneau on "Quantum Magnets in Two Dimensions."

Friday, September 30

Entomology, 11 a.m., 101 ASI Bldg. David Ferro on "Applying Basic Research to Problems in Agriculture."

Monday, October 3

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Lab. Carlo Rovelli on "Time, Thermodynamics and Von Neumann Algebras."

Condensed Matter, 3:30 p.m., 339 Davey Lab. Christoph Gullmann on "Angle- and Temperature Dependence of the Superconducting Gap in Bi-2212 High-Temperature Superconductors as Seen by Angle Resolved Photoemission."

Plant Pathology, 3:30 p.m., 110 Warkit Lab. Jeremy Klassen on "Exploring a Role for Ca++ in the Control of Plant Diseases Induced by Fungi."

Tuesday, October 4

Science, Technology and Society, noon, 118 Willard Bldg. Paul Weisz on "Science, Technology and Society: The Missing Bridges."

Chemical Engineering, 3 p.m., 140 Fenske Lab. George Andrews on "Educational Reform: Do We Know What We're Doing?"

Chemistry, 3:30 p.m., 55 Osmond Lab. Paul A. Bartlett on "Should We Try to Design Enzyme Inhibitors or Just Discover Them?"

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Diane E. Birt on "Cancer Prevention by Dietary Energy Restriction, Biochemical Mechanisms."

Outstanding Women in Geosciences, 4 p.m., 26 Hoster Bldg. Lynn Walter on "Carbon and Sulfur Exchange Dynamics Between Modern Soil Carbonates and Sea Water."

Wednesday, October 5

Gerontology, noon, 101 Health & Human Development Bldg. East. Lori Frank, James Fluckey, and Janet Wilmoth on "Research Ethics: Panel Discussion."

Engineering Science and Mechanics, 3:35 p.m., 314 Hammond Bldg. Randall M. German on "Activities of Powdered Materials Processing Laboratory."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. A. Sillescu on "On the Complexity of Strategies under Two-Fold Uncertainty."

Thursday, October 6

Ceramic Science, 11 a.m., 301 Stiebel. Dan Carroll on "The Technology of Self-Reinforced Silicon Nitride."

Center for Gravitational Physics and Geometry, 1:30 a.m., 203 Willard. Fay Doermer on "On the Consistent Histories Interpretation of Quantum Mechanics."

Physics, 3:30 p.m., 101 Osmond Lab. M.V. Klein on "Recent Developments in

See "Calendar" on page 10



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a difference. We can make it work with...

**You.**

Thanks to volunteers like Sandy and your support, the United Way makes a difference for your Centre County neighbors. Penn State faculty/staff are one of the most important sources of financial contributions on which the United Way depends. Please give. With you, we can make it work.

United Way  
THE PENN STATE GIVER

## Arts

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honor, and be interviewed for WPSU's Odyssey Through Literature Program.

For more information, contact Thomas Hale, 865-8481.

### Odyssey on WPSU

Ben Hudson, professor of history, discusses aspects of Celtic history and how it is revealed to us through centuries-old literary works, on the next episode of Odyssey Through Literature. Using Shakespeare's *Macbeth*, Dr. Hudson shows how often "legend transforms history" and, more surprisingly, "history transforms legend into something greater than the legend."

Dr. Hudson reveals to host Leonard Rubinstein how "legends and sagas and poems" are frequently used as "markers," pointing historians in the right direction.

Odyssey Through Literature is produced as a con-

tinuing education service of the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

### Ogontz

The art of six emigres from the former Soviet Union—including many new, never-seen works—are on display at the Penn State Ogontz Campus until Oct. 30.

The exhibit offers a first-hand look at the work of several well-known artists from the Soviet Union, all of whom are recent emigres now living in Philadelphia. Most overcome great odds to create their art, dealing with obstacles from censorship to having little access to paint, paper and tools.

Regular exhibit hours through Oct. 30 are 8 a.m. to 8 p.m. Monday through Thursday; 8 a.m. to 5 p.m. Fridays. For additional information, call 881-7368.

## Calendar

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Cuprate High To superconductivity," Architectural Engineering, 3:45 p.m., 22 Dieke Bldg. Albert A. Dorman on "Architectural and Engineering Managers: Who Needs Them?"

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Urs Von Matt on "Rounding Errors in Solving Block Hessenberg Systems."

The Leonard Center Leadership Seminar, 4 p.m., 123 EE East. Michael Brunner on "Leadership as Service."

**Friday, October 7**  
University Libraries Seminar, 10 a.m., 402 Tower Room, Central Patten Library.  
Entomology, 11 a.m., 101 ASI Bldg. Mark Whalton on "Bt Resistance in Colorado Potato Beetles."

**Sunday, October 9**  
■ Latin American Event, Ricardo Viera on "Caribbean Literature and Art. Time and place to be announced. Also Oct. 10, 3 p.m., Palmer Lippincott Auditorium. Ricardo Viera on "Latin American Photography from Cuba, Mexico and Puerto Rico." For more information, call Micaela Amato at 865-0444.

## CONFERENCES

**Tuesday, September 27**  
Separation and Purification Strategies for Biotechnology Products, 10 attendees, The Nittany Lion Inn. Through Sept. 30.

**Wednesday, September 28**  
Fortieth Annual Graduate Accounting Conference, 130 attendees, The Penn State Scanticon. Through Sept. 30.

Pennsylvania Parking Association, 80 attendees, The Nittany Lion Inn. Through Sept. 30.

**Thursday, September 29**  
State Tax Seminar, 60 attendees, The Penn State Scanticon.

**Friday, September 30**  
■ Crosscurrents: African Americans, Africa, and Germany in the Modern World, 100 attendees, The Penn State Scanticon. Through Oct. 1.

**Sunday, October 2**  
Human Resource Management Program, 35 attendees, The Nittany Lion Inn. Through Oct. 14.

**Monday, October 3**  
Monoclonal Antibody Purification, 10 attendees, The Nittany Lion Inn. Through Oct. 6.

Financial Analysis for Strategic Management Program, 25 attendees, The Nittany Lion Inn. Through Oct. 13.

**Tuesday, October 4**  
Visible Emissions Training, 40 attendees, The Penn State Scanticon. Through Oct. 5.

**Thursday, October 6**  
■ PACIE and International Education: The Next 25 Years," Nittany Lion Inn.

**Friday, October 7**  
The Rural Elderly: Improving Life Through Nutrition, 175 attendees, The Nittany Lion Inn, The Penn State Scanticon.

1994 Education Summit, 150 attendees, The Penn State Scanticon. Through Oct. 8.

**Sunday, October 9**  
Northeast Sixty Group, 40 attendees, Days Inn Penn State. Through Oct. 10.  
Engineer/Scientist as Manager Program, 35 attendees, The Nittany Lion Inn. Through Oct. 21.

### Exhibits

**HUB Browning Gallery:**  
Cara Judea Alhadeff's "Controversial Color Photography Exhibit." Through Oct. 23.

**HUB Formel Gallery:**  
"My Sister Renee," by painter Beverly McIver. Through Oct. 8.

**HB Art Alley:**  
The Mitten Juniata Art League will feature a large cross-section of local artists and various art forms, including photography, drawing and painting. Through Oct. 23.

**Kern Art Gallery:**  
Navajo sand paintings by artist Storm Begay. Through Oct. 23.

**Palmer Museum:**  
"Beryl Barr-Sharrar: Lyrical Landscapes," Oct. 1-2.



## Bats making a comeback in Puerto Rico

After Hurricane Hugo stormed through in 1989, bats begin their own recovery and help the ecosystem bounce back

Bats in Puerto Rico's rain forest have finally returned to pre-Hurricane Hugo numbers almost five years after the storm flattened the forest.

Bats make up about 75 percent of Puerto Rico's native mammals. Their seed-eating or nectar-sipping helps spread many of the island's plants, especially in the rain forest.

"We now have a better idea of how the ecosystem, and a major part of it, operates and restores itself," Michael Gannon, assistant professor of biology at Penn State's Altoona Campus, said. "The study may show us how to promote recovery of unique areas devastated by natural or man-made disasters."

Dr. Gannon studied the bats with Michael Willig, professor of biology at Texas Tech University.

Seven years of ongoing research, using nets and radio telemetry, allowed Drs. Gannon and Willig to study what happened to bats after Hurricane Hugo blasted the Caribbean National Forest in September 1989. Their study took place primarily in the tabonuco rain forest, located on lower mountain slopes.

After the hurricane, the researchers found numbers of the greater Antillean long-tongued bat actually rose slightly. The bat is distributed across part of the Caribbean and is common in Puerto Rico. It feeds mostly on flower nectar.

"The greater Antillean long-tongued bat appeared positively affected by Hurricane Hugo," Dr. Gannon said. "This relative increase was mostly due to a decrease in other dominant bat species. In part, a small increase in numbers of the bat may be attributed to a large, rapid jump in flowering plants in the post-storm open forest understory."

In contrast, the 1989 storm led to a two-year severe drop in the Jamaican fruit bat population. This widely distributed mammal was plentiful in both numbers and density among bats in the pre-Hugo rain forest. By 1991, the bat had returned to its previous population levels.

This bat is a strong flier that moves large distances, so its reduced numbers may reflect movement of bats after the storm to less affected areas of the island," Dr. Gannon said.

The red fig-eating bat, which is poorly known and rare in scientific collections, took the storm's longest-term hit, declining to about 30 percent of pre-hurricane levels. It has only begun to recover in the past year.

Dr. Gannon thinks the weaker-flying bat couldn't disperse out of the tabonuco rain forest after the storm.

"Factors accounting for the red fig-eating bat's gradual decline include a limited foraging and home range, decreased availability of fruit, and increased exposure to high temperatures, rain and wind at roost sites in trees," he said.

Hurricane Hugo also quashed the red fig-eating bat's potential to reproduce. Few post-storm females were pregnant or lactating, while the juvenile portion of the bats dropped from 40 percent to 17 percent right after the storm, with no young found between 1991 and 1993.

"Only since last year have red fig-eating bats come back strongly," Dr. Gannon said. "Juvenile numbers are up again and so are total numbers, almost five years since the hurricane hit. The bat is sensitive to natural or man-made disasters. The bat appears restricted to this forest life zone, suggesting that immigration from surrounding areas cannot countermand a decline."



Michael Gannon measures uses a micrometer to measure the skull of a Jamaican fruit bat collected from its habitat in Puerto Rico.

Photo: Lani Bloomer

Dr. Gannon said the bat's localized occurrence, post-storm decline in density and dramatic loss of juvenile suggest the species may be in danger of extirpation or destruction after a large-scale disturbance.

All three species had to work harder after the storm.

Radio telemetry indicated the foraging and home range size of bats grew five times larger post-Hugo, slightly receding in size over two years.

"The bats went farther to find food, not spending much time in one space," Dr. Gannon said. "Directly after an intense hurricane, time and energy costs of foraging for bats may be greatly elevated over pre-hurricane situations."

Hurricanes are random events, but occur in the Caribbean National Forest, on average, every 60 years.

"As such, they appear to be a major structuring agent of this ecosystem," Dr. Gannon said.

Until now, scientists didn't know how hurricanes affected bat populations, or what role bats played in recovery of the forest.

Because bats are key species of seed dispersal and pollination in the tropics, ecologists think a disruption in their populations can have a large impact on the distribution and genetic structure of local plants.

"Absence of the Jamaican fruit-eating bat from the tabonuco rain forest immediately after the hurricane suggests the red fig-eating bat may initially



The red fig-eating bat (*Sturnoderma rufum*), a rare specimen, took the hardest hit from Hurricane Hugo.



Michael Gannon walking through his living laboratory, the Luquillo Experimental Forest in Puerto Rico.

play a critical role in recovery as the single bat dispersal agent of some early successional plants," Dr. Gannon said.

In Puerto Rico's tabonuco rain forest, the red fig-eating bat appears to be the only disperser of the locally common *Azobea* tree, he said.

"Extirpation of the red fig-eating bat could have long-term and far-reaching adverse effects on the life history of this tree species," he said.

"A species seemingly as insignificant as a bat can have a big effect on a region and on people's lives. By understanding interactions among species we learn more about an ecosystem. It appears that the way things are tied together, if we take enough little pieces out, a whole ecosystem can crumble."

— Scott Turner

# Smeal College honors Alumni Fellows tonight

Smeal College graduates Samuel I. Sidewater and William A. Donan this week will be honored as Penn State Alumni Fellows in ceremonies to be held at 5:30 tonight in the Nittany Lion Inn on the University Park Campus.

Mr. Sidewater (BS '59) is executive vice president of new business development with Charming Shoppes Inc., headquartered in Bensalem, Pa. Mr. Donan (BS '68) is president of the Clinical Alternative Site Division of Baxter Healthcare Corporation, Deerfield, Ill.

President Thomas will present both with the traditional Alumni Fellow medallion tonight. On Friday, Sept. 30, they will share their business experience and know-how with Smeal College students in lectures and classroom meetings.

Mr. Sidewater currently is leading Charming Shoppes' expansion into the shoe and men's clothing markets. Through over 1,300 Fashion Bug and Fashion Bug Plus clothing stores coast to coast, Charming Shoppes is a \$1.2 billion business. Founded by Mr. Sidewater's father, Morris, in the 1940s. The firm is known as a forerunner in the use of computer information systems.



Samuel I. Sidewater



William A. Donan


He is a life member of the Penn State Alumni Association and a longtime supporter of Penn State, having helped establish the Chair in Jewish Studies in the College of the Liberal Arts, activated during the 1992-93 academic year. He is a member of the University's National Development Council and of the Libraries Campaign.

He is a trustee of the Philadelphia College of Textiles and supports public service in the Philadelphia area through his leadership in the Morris and Evelyn Sidewater Foundation.

Mr. Donan began his career with Baxter Healthcare, now a \$9 billion firm, in 1973 as a sales representative and subsequently rose through the corporate ranks to his current position. The firm is an international leader in the manufacture and distribution of hospital-based medical products and devices.

He is very active in The Smeal College and has been in great demand as a classroom lecturer and participant in the MBA Executive Interaction and student Mentoring Day programs.

He is a two-term member of the college's Alumni Society Board of Directors, beginning in 1990, and has served as chair of the board's membership committee. In addition, he has served as Baxter Healthcare's corporate recruiting liaison with Penn State for many years and has organized a program using corporate contacts for gifts to the University.



## EMPLOYEE BENEFITS

### Faculty/Staff Health Promotion

A partial list of health promotion programs to be offered in the weeks to come is included below. A complete list of all programs can be seen in the newly designed Healthy Happenings brochure and in the HRDC Course Catalog.

- **Enlightening Lunches** Noon to 1 p.m., 110 Living Center Henderson Building, Cost: Free
- **What's Up Doc?** (part 1) Sept. 29 Learn skills to become an effective communicator with your physician and take part in every medical decision. Suggestions on finding the right physician for you and your family also will be discussed.
- **What's Up Doc?** (part 2) Oct. 13 Part two of this series focuses on consumerism and healthcare. Learn skills to cut costs not quality with your healthcare and understand your rights as a patient.
- **Your Home Health Center** Oct. 27 Attend this program to help you and your family get quality health care at home. Discussion will include having the right medicines, supplies and resources in your home for basic first aid.

A regular column provided by the Office of Human Resources

### Other Healthy Happenings (Shared Time Programs)

■ **Fresh Start Smoking Cessation** This straight-forward quit smoking program offered by the American Cancer Society helps participants deal with smoking as a chemical addiction, a habit and a psychological dependency. Each section meets for four sessions.

SEC. 1 Oct. 10, 12, 17, 19  
Mon/Wed 12:30-2 p.m.  
Room 4 Eisenhower Parking Deck  
SEC. 1 Nov. 1, 3, 8, 10  
Tues/Thurs 12:30-2 p.m.  
10 Rider Building  
Cost: Free

■ **Cart Smart Shopping Tour** Take the tour with a trained facilitator from the American Heart Association to help find the lower fat choices in each aisle of a local supermarket and discuss food marketing techniques.

SEC. 1 Oct. 11 Tuesday 4:30-5:45 p.m.  
SEC. 2 Oct. 18 Tuesday 4:30-5:45 p.m.  
Bi-Lo Food Market, 1659 North Atherton St.

To register for the above courses call or e-mail Jan Hawbaker, (JQH3) at 865-3085. You also may complete the registration form in the Healthy Happenings brochure or HRDC Course Catalog. Forward, with payment if applicable, to Faculty/Staff Health Promotion, Box 3, Rider Building. Checks should be made payable to Penn State unless otherwise noted.

## Statistical Consulting Center can lend expertise to faculty, staff and students

The Statistical Consulting Center (SCC), a team of faculty, staff and graduate students in the Department of Statistics with expertise in statistical methodology and applications, is seeking the opportunity to work with University faculty, staff, administrators and graduate students.

For faculty, the center can provide up to two meetings, free of charge, for research projects originating at Penn State. The objective of these meetings is to provide short-term advice for your immediate statistical needs while exploring the possibility of creating a longer-term association. In addition, a priority of the center is to stay flexible to accommodate the diversity of research activity.

For graduate students, the center offers two free meetings for research directly related to a master's or Ph.D. degree to be conferred by Penn State. The assigned consultant is a statistics graduate student enrolled in Stat 580, the Statistical Consulting Practicum. Consulting for graduate students is mainly available during 9:30 a.m. and 3:30 p.m. spring semesters. If you feel you need the resources of the SCC, contact the center at 865-0281 or at psucc@psuvm.psu.edu for a "Request for Consulting" form. A request form also is available in 323 Classroom Building. For quickest service, the Request Form is now available on PSUVM. Just type STATCONS at the ready prompt to fill one out interactively.

Once the completed form is received, an appointment will be scheduled.

## Obituaries

Joseph C. Foster, retired assistant professor of French at the Penn State McKeesport Campus, died Aug. 11 at the age of 78. He joined the campus faculty Sept. 1, 1959, and retired June 30, 1981.

Frances M. Jones, baker, Nittany Lion Inn, from July 2, 1958, until retirement Feb. 3, 1973; died Aug. 20 at the age of 83.

Arnold C. Lueck, extension agent, Lancaster County, from March 16, 1961, until his retirement Dec. 21, 1986; died Aug. 28 at the age of 78.

## Parting

### Lab technician retires

Leon P. Fetterolf, electronics and laboratory technician, has retired after 36 years of University service.

Mr. Fetterolf was responsible for analyzing malfunctions and proposing solutions for repairs in electronic equipment. He also conducted capability test programs on computer and interface equipment and determined the validity of data acquired by computer data acquisition systems.

A former radar operator for the U.S. Air Force, he spent 16 years working in the field of aerospace engineering, maintaining the electronic equipment in all of the Department of Aerospace Engineering laboratories.

Mr. Fetterolf resides in Millheim with his wife, Eleanor. The couple has two children.



## Appointments

### Assistant vice president for Business Services named

Betty Roberts, former director of business services for the University of Missouri System Administration, has been appointed assistant vice president for business services.

In her new position, she will direct the overall operations of the Business Services units; formulate, in close association with academic and support units, a strategic plan for Business Services; develop and administer the annual operating budgets, and provide direction and support for units in the practice of continuous quality improvement.

"We are pleased that Dr. Roberts has joined the Penn State staff, James M. Wagner, vice president for business and operations, said. "We believe that, with her background and experience, she will provide excellent leadership for Business Services."

A graduate of Tusculum College, Greeneville, Tenn., Dr. Roberts received an M.Ed. degree in elementary education from the University of Louisville, and Ed.S. and Ph.D. degrees in higher and adult education from the University of Missouri-Columbia.

She served as coordinator/counselor of minority student programs at the University of Missouri-Columbia and later was a management analyst in the Office of the Vice Chancellor for Administrative Affairs.

She has held a number of positions in the University of Missouri System, including assistant to the assistant vice president for computing and information technology, manager of communication and documentation services, Computing and Information Technology, and management associate, Administrative Affairs.

She has been director of Business Services since 1990 and coordinator of Total Quality Management since 1992.

At the University of Missouri, Dr. Roberts has served on numerous task forces and spoken at campus and community events. Her quality management continuing education activities include the planning and facilitation of instructional training for management staff designed to create an awareness of Total Quality and participation in a number of training programs related to TQM.

She is a member of the Senior Executive Training Committee of the St. Louis Regional Quality Institute and is member of the Board of Editors of *TQM in Higher Education*.

Dr. Roberts has received several community and professional service awards, including Outstanding Young Women of America, Kappa Alpha Psi Community Achievement Award, and the Outstanding Leadership Award from the Columbia, Mo., Neighborhood Service Organization.

In 1990, she was selected to attend the National Institute for Leadership Development "Leadership for a New Century," sponsored by Arizona State University and the National Institute for Leadership Development.

### Department of Communication Disorders gets new head

Gordon W. Blood has been named head of the Department of Communication Disorders in the College of Health and Human Development.

Dr. Blood, professor of communication disorders,

came to Penn State in 1985 as an associate professor and coordinator of graduate clinical externships in the department; since 1990 he has been the department's professor-in-charge.

His research focuses on the psychosocial coping and adjustment of people with throat cancer, stress reactions in people who stutter, and swallowing and communication problems of stroke patients.

In 1987 he was one of 45 outstanding American professionals named to the W. K. Kellogg Foundation's National Fellowship Program. He also has been awarded the Eli Lilly Fellowship for Excellence in Teaching, and elected to Who's Who in the Midwest, South, and Southwest.

Before coming to Penn State, he was on the faculty of Health study section on the efficacy of treatments for people who stutter. A Fellow of the American Speech-Language-Hearing Association, he coordinates the ASLHA's stuttering division and is chair and coordinator of the Special Interest Group for Fluency and Fluency Disorders.

Dr. Blood has served on a number of committees of the American Speech-Language-Hearing Association. Earlier in his career he was chief speech pathologist at a cleft palate rehabilitation center in Ohio.

He holds a bachelor's degree in communication sciences and education from State University of New York College at Buffalo, and a master's and doctorate in speech pathology rehabilitation counseling from Bowling Green State University.

### Allentown Campus adds two

Catherine Heydt and David Longenbach, VISTA (Volunteers in Service to America) volunteers, have joined the staff at the Penn State Allentown campus.

They will work with the campus' youth enrichment programs. The campus is addressing the academic needs of at-risk students in the Lehigh Valley through the Youth Enrichment Partnership 2000, Academic Enrichment Program for High School Students, and the Summer Youth Service Corps sponsored by the Private Industry Council.

In addition, the campus works with more than 40 students through ALPO (Allentown Leadership Opportunities and the Power of Work) Program. A number of corporations, community-based organizations, government agencies, and school districts have joined with the Penn State Allentown Campus in an effort to provide the academic programming.

Ms. Heydt has several years of experience as a child-care provider, caseworker, and assistant in the social work field. At Penn State her primary responsibility is serving as the liaison for the KAPOW program at Roosevelt Elementary School in Allentown.

Mr. Longenbach, a 1992 Penn State graduate with a bachelor of arts degree in history, is pursuing his graduate degree in history at Villanova University. His VISTA responsibilities include supervising several off-site tutoring programs and assisting with academic youth enrichment programs.

VISTA is a full-time year-long volunteer program open to people 18 and older who wish to make a commitment to increase the capability of low-income people to improve the conditions of their own lives.



Gordon Blood

### Six named to new center at Behrend

Penn State Erie, The Behrend College, has named six administrators and researchers to the college's new federal Plastics Technology Deployment Center (PTDC).

The PTDC, a cooperative effort with the Cleveland Advanced Manufacturing Program in Cleveland, Ohio, is the result of a \$2.86 million federal grant awarded to Penn State-Behrend last winter. The purpose of the center is to enhance the region's manufacturing base by increasing productivity, sales, exports, and jobs for plastics manufacturers in northwestern Pennsylvania and northeastern Ohio.

New to the PTDC are: William J. Roche, director; Lucy A. Dzesiewicz, Charles A. Lang, Jonathan A. Mckley, and John D. Ralston, research assistants, and Lawrence E. Patch, PEN-NTAP technical application engineer.

Mr. Roche is the former director and president of KRI in Meadville. Prior to that, he worked with Erie Plastics Corporation in Corry for 15 years, rising from production engineer to executive vice president of engineering. He serves as president of the Corry Area School District School Board, and is a trustee of the Erie County Technical Institute curriculum committee. He holds a B.S. in business administration from John Carroll University.

Ms. Dzesiewicz is currently pursuing her M.B.A. at Penn State-Behrend. She was the first woman ever to receive a B.S. in plastics engineering technology from the college, and also holds both associate and bachelor's degrees in mechanical engineering technology from Gannon University. She previously worked as a quality assurance technician at Johnson Controls, Inc., and as a senior research associate at Penn State-Behrend's Plastics Technical Center.

Mr. Lang most recently served as a project engineer at Glatic Corp. in Jefferson, Ohio. Prior to that, he was a senior project manager at Molded Fiberglass Company in Union City. He received his B.S. in mechanical engineering technology from Gannon University, and currently is a candidate for a B.S. in plastics engineering technology at Penn State-Behrend.

Mr. Mckley is the former design engineer and co-owner of Innovative Design Services, Inc., where he focused on computer-aided engineering services geared to the plastics industry. He previously worked as a research technologist at the Penn State-Behrend Plastics Technical Center. He is completing his thesis as a candidate for an M.S. in plastics engineering at the University of Massachusetts at Lowell. He has a B.S. in plastics engineering technology and both associate and bachelor's degrees in mechanical engineering technology from Penn State-Behrend.

Mr. Ralston is a 1991 graduate of Penn State-Behrend, where he received a B.S. in plastics engineering technology. He also holds an associate degree in mechanical engineering technology from the college. He has worked as a lab technician for Johnson Controls, Inc. and interned with Tuckrite, Inc.

The four research assistants will work with senior research technologist Jason Williams, who has been with the college for three years.

Mr. Patch has spent the past eight years as an automation engineer with Erie Plastics Corp. Prior to that, he managed the company's technical service department. He received an associate degree in electrical technology from Williamsport Area Community College.



Betty Roberts





## MOC Open House

In conjunction with Parents & Families Weekend, the Microcomputer Order Center (MOC) will hold an Open House in the Systems Evaluation Lab, 12 Willard Building, from 8:30 a.m. to 7 p.m. Sept. 30, and 10 a.m. to 4 p.m. Saturday, Oct. 1. Vendors, as well as the MOC consultants, will be there to provide expert advice on the hardware and software available at the MOC. Door prizes will be given away, and refreshments will be served.

## MOC Site License Program

The MOC offers a large range of site licensed software options to University departments. Site licensed programs have the same capabilities as the original boxed software. Stretch your department's budget dollars by purchasing only the parts of a software package which are needed. For example, save money by buying only one set of documentation with as many application licenses as you need. Savings increase with each license copy.

Some comparisons from the MOC offered to departments:

WordPerfect for Windows		Microsoft Office for Mac	
Box of Software	\$107.67	Box of Software	\$119.05
VS.		VS.	
Site License w/ Disks	\$47.60	Site License w. Disks	\$71.68
Site License only	\$23.00	Site License only	\$38.42
Documentation	\$33.84	Documentation	\$134.03
Maintenance Fee	\$12.50		
Upgrade	\$12.50		

The combination of licenses, documentation, upgrades, and maintenance agreements for your office depends on your needs and existing software. The MOC marketing consultants can help you determine what is right for your department. Site licenses from the following companies are currently offered by the MOC for Departmental Purchase Only through IBIS: Apple Software, Asymetrix, Calris CAP Program, FTP Software, Microsoft, SAS, SPSS, WordPerfect CAP Program, StatSoft, Statistica, Lotus, Macromedia, Wolfram Mathematica, Hummingbird, Systat.

Personal purchase of site licensed software also is available. Regulations on the purchase of a site license depend on the licensing company. Some site licensed software are restricted to departments, faculty, staff and/or students for purchase.

Site licenses from the following companies are currently offered by the MOC for Faculty and Staff only for personal use: StatSoft, Lotus, Macromedia, Wolfram Mathematica, Hummingbird, Systat.

A complete price list of site licenses that the MOC offers is now available. For more information or to place an order, contact the Microcomputer Order Center, 12 Willard Building, (814) 865-2100.

## New Product Announcements

Watch for new product announcements mid- to late October from Apple, IBM, Compaq and Hewlett-Packard. All are updating their products with the latest technology in their field. Full information will be available after each announcement date at the MOC.



Indoor gardens

These visitors to the 81st Annual Horticulture Show, held Sept. 24 and 25 at University Park, got an eye-color and beauty. The event, hosted by the Penn State Horticulture Club, followed the theme "Key-stone Colors" and played up native plants of Pennsylvania.

Photo: Howard Nuernberger

## Promotions

### Staff

Kathy W. Barry, staff assistant VI in College of Engineering.  
Amy S. Blinn, assistant director of Student Affairs at Penn State Beaver Campus.  
Tracy M. Bowman, applications programmer/analyst in Division of Development and University Relations.  
Elizabeth Buckwalter, research support assistant at Hershey Medical Center.  
Cynthia L. Carroll, data administration coordinator at Hershey Medical Center.  
Catherine A. Caruso, conference coordinator at Penn State Harrisburg.  
Laura Contino, assistant manager in Continuing Education.  
Robert E. Cooper, manager, Utilities Systems Engineer, in Office of Physical Plant.  
Mark A. Knotts, respiratory therapy clinical specialist at Hershey Medical Center.  
Michelle L. Lauzon, projects specialist at Hershey Medical Center.  
John R. Long, coordinator, Emergency Department, at Hershey Medical Center.  
Diana R. Lyons, staff assistant V in Eberly College of Science.  
Edward A. Miller, computation analyst at Hershey Medical Center.  
Melissa A. Moyer, vascular radiology technologist at Hershey Medical Center.  
Jon M. Nurnberger, financial officer in Corporate Controller's Office.  
Glenn A. Pankuch, senior research support associate, at Hershey Medical Center.  
Michael A. Phillips, assistant director for Admissions in Office of the President.  
Melissa A. Price, staff assistant V in College of the Liberal Arts.  
Janet J. Principe, staff assistant V at Hershey Medical Center.  
Sue E. Ramer, assistant coordinator, Research Funds, at Penn State Harrisburg.

Daniel J. Rhodes, advanced engineering aide in Applied Research Lab.  
Laura V. Rinehart, staff assistant VII at Hershey Medical Center.  
Nicki E. Williams, staff assistant III in College of Arts and Architecture.

### Technical Service

Raymond P. Cullen, community service officer at Penn State Delaware Campus.  
Kathy E. Dixon, residence hall utility worker in Housing and Food Services.  
Harold L. Doll, groundskeeper, Landscape A, in Office of Physical Plant.  
John E. Dovan, food service worker A, Housing and Food Services, at Penn State Hazleton Campus.  
Linda L. Emel, operator B, Centralized Copy Center, in Business Services.  
Elizabeth A. Evert, residence hall utility worker in Housing and Food Services.  
Ronald K. Grove, senior preparation technician at Hershey Medical Center.  
Michael D. Hoerner, utilities equipment operator B at Hershey Medical Center.  
William A. Massar, maintenance mechanic A at Hershey Medical Center.  
Daniel A. Nafziger, linen handler at Hershey Medical Center.  
Kenneth A. Peters, maintenance worker general B in Office of Physical Plant.  
Lois J. Reinschmidt, residence hall utility worker in Housing and Food Services.  
Helen L. Rusnak, baker, Utility, in Housing and Food Services.  
Matthew E. Uncles, machine operator, Bakery, in Housing and Food Services.  
Christine L. Weaver, control processing aide at Hershey Medical Center.  
Scott E. Wellar, groundskeeper, Landscape A, in Office of Physical Plant.

Highlight on Undergraduate Education

# Putting design back into engineering

Not so long ago, most engineering majors would learn their profession by listening to lectures, making mechanical drawings, and trying to get the right answers to textbook problems. Then they'd get hired by a big engineering firm and go through extensive training to learn how engineering is really done.

But nowadays, it's more likely that students will work in teams, using their professors as consultants and trouble-shooters on an array of projects and build projects — like a full-scale sailplane, materials sorting devices, biothermal electrical generators, and even fanciful devices like medieval-style catapults.

In short, engineering students are now taking innovative courses, early in their college careers, that focus on design. At Penn State and other universities, much of this is happening because of ECSEL — the Engineering Coalition of Schools for Excellence in Education and Leadership.

"Almost any real engineering problem ultimately comes down to design," Tom Litzinger, director of ECSEL at Penn State, said. "You can attack almost any aspect of engineering, from engineering analysis to manufacturing, by giving students an open-ended design problem. We want students to wrestle with real problems, to get out of this mode of solving little well-defined problems and looking for the answer in the back of the book — because they sure won't be able to do that when they get out into the real world."

A seven-member coalition funded by the National Science Foundation (NSF), as well as institutional and industrial matching funds, ECSEL is now in the fourth year of a five-year effort to restructure undergraduate engineering education.

The move to change engineering education is strong now because engineering itself is changing, said David Wormley, dean of the College of Engineering. Engineering companies now tend to be smaller and less specialized. They have to compete in a fast-paced international marketplace, as well as deal with an economy that's driven less by defense and more by consumers.

Dr. Wormley said that Penn State and other universities "have done quite a good job in the past of providing technical depth for our students, and we want to make sure that in the future we continue to provide a strong focus on the fundamentals of engineering. But we also must provide very strong capabilities in communications, in teamwork, and in being able to understand and work with diverse groups of people and diverse cultures."

To help ECSEL respond best to the forces now shaping engineering, NSF specified that the coalition be made up of a diverse group of schools with diverse student bodies. Besides Penn State, the coalition includes the Massachusetts Institute of Technology, Howard University, Morgan State University, The City College of New York, the University of Washington, and the University of Maryland. The diversity of the coalition members has enabled Penn State to establish links that might not otherwise have been built.

ECSEL's main focus is in two areas: to restructure engineering education and to attack the issues of student recruitment and retention, particularly with an eye toward increasing the numbers of women and minorities in engineering.

"We're driven to a large extent by the needs of engineering firms across the country, and the vision that we need to start now to create a better climate for nontraditional engineering students," Dr. Litzinger said.

The highlight of the University's efforts to integrate design across the engineering curriculum is its sailplane project — the first of its kind in the coalition. Through the project, students are learning manufacturing design and production processes by actually designing and building a sailplane.

So far, they've made working drawings, built a prototype, and successfully flight-tested a 1/6th-scale, radio-controlled working model early last year. Now they're working on designing the full-scale sailplane and manufacturing critical subcomponents. They're also "subcontracting" out some of the work to other coalition schools — the landing gear design to MIT and the control system design to Morgan State.

The sailplane project is a "vertically integrated" design program — meaning it involves students at all levels through their entire four years of college. The project is "a high-risk effort, but it has already paid tremendous dividends," Dr. Litzinger said.

"It's been a great success," Dr. Litzinger said. ECSEL's biggest overall accomplishment has been the introduction of integrated, open-ended design courses for first-year students at virtually every coalition school.



Engineering students test a full-size replica of a medieval-style military catapult.

Photo: James Collins

The courses generally pose an open-ended problem that students must work in teams to solve. At Penn State, the redesigned course is "Introduction to Engineering Graphics," which teaches drafting and computer-based solid modeling, commonly known as EC-50, it is the first engineering course students take. In its earlier form, it was heavy on textbook problems and mechanical drawing. But now the course focuses on real-world problems, usually three small-scale projects per course.

— Alan Janesch

## Private Giving

# Delaware couple endow chair in College of H&HD

A Delaware businessman and his wife who met while students at Penn State in the 1950s, have given \$1.5 million to endow a chair in the University's College of Health and Human Development.

The Edna P. and C. Eugene Bennett Endowed Chair in Intervention Research in the Department of Human Development and Family Studies will provide the financial support necessary for major scholarly contributions to complex and critical social problems.

"Great universities achieve their greatness largely through the contributions of gifted faculty members," President Thomas said. "The finest faculty are in great demand, and it is the contributions of people such as Edna

and Gene Bennett that help to attract those whose performance is of the highest caliber. We are very grateful for their generosity and foresight in supporting this endowed chair."

The department is internationally known for interdisciplinary programs that promote healthy development of families and individuals. It has scholars in psychology, sociology, anthropology and the medical sciences, and is rated among the nation's best in life span development, family studies and developmental research methodology. The department's intervention programs emphasize interdisciplinary and multidisciplinary approaches to meeting the needs of individuals, families, communities and societies.

"Gene and I made this contribution

in the belief that it will draw more attention to the work the faculty are doing," Edna Bennett said. "We know that the chairholder will lead the effort to develop a greater understanding of how problems develop for individuals, families and communities, and of how they may be prevented."

The Bennett Chair is the first such endowed position in the department.

Edna Peterson Bennett earned a bachelor's degree in home economics, with an emphasis in child development, from Penn State in 1953. She found the training invaluable in rearing six children who have produced nine grandchildren to date. She was a member of the "famous 500," the first freshman class of women admitted to Penn State following World War II.

Gene Bennett attended Penn State as a graduate student in 1951-52, and completed his doctorate in chemistry at the University of Michigan in 1954. He then served as a lieutenant and scientist in the U.S. Air Force at Wright Air Development Center in Ohio prior to joining E. I. duPont de Nemours & Co. in Delaware in 1956. He was one of the founders of R&M Scientific Corp. in 1959 that later became a division of Hewlett Packard. Since 1968, he has been involved in consulting and investing in start-up companies.

The Bennetts gave \$100,000 in 1988 to support the model preschool playground, named in their honor, for the Child Development Laboratory in the College of Health and Human Development.





#### Sketchy details

Graphic arts major Mina Yoon, a freshman, completes a drawing assignment outside Patterson Building on the University Park Campus. This aspiring artist was captured on film by student Jill Hoffman, a member of the CM 269 Photojournalism class taught by Jock Lauterer.

## Bookshelf

Thomas O. Beebe, associate professor of comparative literature and German, has published *The Ideology of Genre: A Comparative Study of Generic Instability* with the Penn State Press.

In a series of essays on a range of texts embracing both high and popular culture from the early modern era to the contemporary period, *The Ideology of Genre* counters both formalists and advocates of the "death of genre," arguing instead for the inevitability of genre as discursive mediation. The book demonstrates that genres are inherently unstable because they are constituted by a system of differences.

On the other hand, generic distinctions are based upon the varying use-values of language. Those places within and between texts where genres "collide" reveal the connections between generic status, interpretive strategy, ideology, and the use-value of language.

Authors treated include: Roland Barthes, Aphra Behn, Walter Benjamin, Julián del Casal, Franz Josef Degenhardt, Bob Dylan, Umberto Eco, Claude Lévi-Strauss, and Walter Höllerer.

## Penn Staters

Anthony J. Baratta, professor of nuclear engineering, has been appointed a member of the Nuclear Safety Research Review Committee (NSRRC) at the U.S. Nuclear Regulatory Commission in Washington, D.C. The committee provides advice to the director of the Office of Nuclear Regulatory Research, and through him to the commission, on matters of overall management importance in the direction of the NRC's program of nuclear safety research.

Marie Bednar, associate librarian, head, Bibliographic Support Services, presented a paper titled "Reception of Contemporary Czech Fiction in the United States" at the 17th World Congress of the Czechoslovak Society of Arts and Sciences held in Prague. She also participated in the roundtable "Current Issues in Librarianship" and served on the panel "Czech Literature and Its World Significance." Beginning in October, Ms. Bednar will work at Masaryk University Library in Brno, Czech Republic for six months as a recipient of a Library Fellows Grant.

Monty Christiansen, associate professor of recreation and parks in the College of Health and Human Development, has been appointed to the North American Standards Committee, a joint U.S.-Canadian board. The committee's mission is to unify the playground safety standards of the two countries and create a North American Standard for Public Playground Equipment.

Dee McGonigle, assistant professor of nursing at the Penn State New Kensington Campus, made two presentations at the Fifth International Conference on Nursing Use of Computers and Information Science. She spoke on "A Qualitative Look at Interactive Video from the Nursing Student's Perspective" and "Perinatal Family Care: A Learning Module on Intrapartur Nursing Care."

Gary L. Messing, professor of ceramic science and engineering and director of the Particulate Materials Center, served on the organizing committee for the International Workshop on Mullite-based Ceramics in Irsee, Germany. He presented a paper on "The Anisotropic Grain Growth in Mullite." He also was a co-organizer of the International Conference on Ceramic Processing Science and Technology in Friedrichshafen, Germany, where he gave a paper on "Anisotropic Grain Growth in Iron Oxide Seeded and Doped Alumina."

Michael M. Micci, associate professor of aerospace engineering, presented a paper on "Experimental Characterization of Coaxial Injectors Using Liquid/Gaseous Nitrogen," at the International Conference on Liquid Atomization and Spray Systems in Rouen, France. At the Eurochem Symposium on the Combustion of Sprays, Drops and Aerosols in Marseilles, he presented "Molecular Dynamic Simulation of Supercritical Droplet Evaporation." He also visited the University of Orleans and gave presentations on those topics.

Richard D. Tward, associate professor of quantitative business analysis, and Raymond W. Eyerly, senior research associate in environmental resources, presented the paper, "A Retrospective Analyses of the Community Effects of a National Highway Development Policy: The U.S. Interstate System," at the 14th annual meeting of the International Association of Impact Assessment in Quebec City, Quebec, Canada.

Edward J. Walsh, associate professor of administration of justice and sociology, has been elected to the Council of the Collective Behavior and Social Movements Section of the American Sociological Association.

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## PENN STATE INTERCOM

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Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

October 6, 1994

Volume 24, Number 8

## Eberly College granted \$1 million for undergraduate education endeavors

The Department of Biology in the Eberly College of Science has been awarded a \$1 million grant from the Howard Hughes Medical Institute (HHMI) to enhance the quality of science education for undergraduate students.

This is the second grant for the department, which received a \$1.2 million, five-year grant in 1989 from HHMI. For the past four years, the department has been sponsoring summer institutes for pre-freshmen students as well as research symposia where students presented posters based on their summer research.

"Our program has focused on getting the students involved in research early in their careers," Linda Masson, department head and professor of biology, said. "Once the students become involved and take part in the process of discovery, they are more likely to stay in science."

"We are thrilled that we have received funding for another four years. One young student working in my lab now started in the institute program four years ago; he's presented her research at the National Undergraduate Research Conference, and has a paper accepted for publication. She will be attending the Hershey Medical Center for future study."

At Penn State, the grant will support instrumentation and renovations for new laboratories in such areas as plant molecular development, genetic analysis of model organisms, and cell physiology and microbiology, and for laboratory training and computing facilities. It also will fund programs to prepare students for and engage them in research, including pre-freshman classroom and laboratory training, student mentoring and other activities.

This year, the institute, a private philanthropy, announced that \$86 million in four-year grants went to 62 research and doctorate-granting universities, part of several HHMI initiatives to improve science education from elementary school through postgraduate training.

"This program is sparking a historic change in how young Americans learn science," Fumell W. Choppin, HHMI president, said. "The institute is helping large numbers of students, including many women and minorities, to carry out research in modern facilities. We think students learn science best by doing science, instead of just reading about it."

Since 1988, the institute has awarded \$290 million to 213 colleges and universities through its Undergraduate Biological Sciences Education Program. These grants have helped to provide research opportunities for more than 15,000 undergraduates, reach out to nearly 50,000 science teachers and students at local schools, and attract more women and minorities to science.

"The real success is getting the students into the labs as freshmen and sophomores, having them meet faculty, and growing excited about research," Dr. Masson said.



Parents & Families Day

Visitors to the University Park Campus are given a tour by members of the Lion Ambassadors during the annual Parents/Families Day. Approximately 900 families registered for the Oct. 1 event which was filled with tours, learning sessions, an information fair, and open-houses across campus.

Photo: Greg Grieco

## Potential honorary degree recipients sought Committee and eligibility guidelines established for award

University faculty members are being asked to nominate potential candidates for an honorary degree from Penn State.

In a letter to all members of the University faculty, President Thomas and John A. Dutton, dean of the College of Earth and Mineral Sciences and chair of the Committee on Honorary Degrees, encourage the faculty's "active participation in the development of a list of nominees for an honorary degree from Penn State."

Under procedures approved by the Board of Trustees for the awarding of an honorary degree, the following guidelines for eligibility have been established:

—Sustained achievement and distinction of national or international significance in an activity consonant with the mission of the University is the principal criterion for an honorary degree.

—The nomination of individuals whose achievements and distinction have not been similarly recognized by a number of other institutions is encouraged.

—Alumni of the University are eligible.  
—People serving as administrators, faculty, or staff of The Pennsylvania State University are not eligible, nor are persons currently serving as members of the Board of Trustees, as officials of the Commonwealth of Pennsylvania and its subordinate units or members of the Legislature, during their terms of

office; nor are spouses of immediate family members of the foregoing persons eligible.

Dr. Dutton said the Committee on Honorary Degrees is seeking candidates in four specific areas:

- science and engineering
- social and behavioral sciences
- arts and humanities
- professional and public service

Nominations should include the name, a short biography, and a statement explaining why the nominee is worthy of this recognition. All nominations should be sent to Ginny Newman, 201 Old Main, University Park, by Oct. 24.

Historically, the University has not awarded honorary degrees, with four exceptions.

In 1904, an Honorary Doctor of Science degree was conferred on Professor William Buckout, also an alumnus, and in 1908, an Honorary Doctor of Science degree was conferred on Louis E. Reber, an alumnus, member of the faculty, and first dean of the School of Engineering.

Also awarded were an Honorary Doctor of Laws to President Dwight D. Eisenhower in 1955, and an Honorary Doctor of Science to Sir Edwin Noel Plowden, chairman of the United Kingdom Atomic Energy Authority, in 1958.

## DIVERSITY

# Network for gays, lesbians, and bisexuals being formed to provide support, information

The Committee on Lesbian, Gay and Bisexual Equity in the Office of James Stewart, vice provost for educational equity, has introduced the Lesbian, Gay and Bisexual Support Network. The project is another component of the University's efforts to enhance the campus climate for lesbian, gay and bisexual members of the University community.

The network will consist of faculty, staff and students who are willing to make a voluntary, personal commitment of support to lesbian, gay and bisexual people on campus. Network members will display a sign, sticker or button to let others know they are involved.

According to the committee, surveys conducted at Penn State have found that lesbian, gay and bisexual

students, faculty and staff often feel isolated and unsupported. Some have been harassed and others fear negative consequences if their sexual orientation became known. The network responds to these challenges by introducing lesbian, gay and bisexual Penn State students to someone who can provide accurate information about University and community resources.

Network members will not be counselors and they will not be expected to answer every question. They are listeners and people who can provide support and information and keep all conversations confidential. Staff and faculty will be able to ask about University policies on discrimination and be told about information sources.

To make the network a success, it is important that members of the University community participate. The network is open to people of all sexual orientations; the primary requirement is a strong commitment to social equity and diversity. By displaying the network symbol, the member is showing a willingness to show a commitment by helping colleagues and friends.

To participate in the network, get an application from the Office of the Vice Provost for Educational Equity, 311 Grange Building, University Park, PA 16802. Complete the application, return it to the office and the Committee on Lesbian, Gay and Bisexual Equity will review it and notify each person about membership.



**International symposium**

Discussing the global African experience at "Crosscurrents: African American, Africa and Germany in the Modern World," an international symposium held on the University Park Campus, are: David McBride, left, conference director and head of the Department of African/African American Studies, and keynote speaker Ali A. Mazrui, humanities professor at the State University of New York at Binghamton.

Photo: Greg Grieco

## Honorary degrees

continued from page 1

In August 1991, President Thomas appointed a committee to make a recommendation on the implementation of honorary degrees at the University, and Trustees approved the guidelines in 1992.

Under the guidelines, the Committee on Honorary Degrees will recommend up to four candidates to the President, who will select the name or names to be forwarded for final approval by the Board of Trustees.

Current members of the Committee on Honorary Degrees, besides Dr. Dutton, are Bernard W. Bell, professor of English; Jodi Del Rossi, CCSG representative; Carolyn R. Dexter, professor of management and marketing

at Penn State Harrisburg; Michelle Eck, GSA representative; Chad Allen Freed, USC representative; Randall M. German, holder of the Brush Chair in Materials; Carol Herrmann, senior vice president for administration;

Roberta Kevelson, distinguished professor of philosophy at the Penn State Berks Campus; Robert Klein, alumnus, 1948; David A. Shirley, senior vice president for research and dean of the Graduate School; Elliot S. Vesell, Evan Fugh Professor and chair of Pharmacology, and Susan Welch, dean of the College of the Liberal Arts. Staff support is provided by Ms. Newman, special assistant to the executive vice president and provost.

## DIVERSITY BRIEFS

### Oct. 11 lecture

Robyn T. Ochs, co-founder of the "Boston Bisexual Women's Network," and the Bisexual Resource Center, co-host of cable television's "Pridetime" show, and lecturer at MIT and Tufts University, will present "Images of Bisexuality in the Media" at 4 p.m. Tuesday, Oct. 11, in the HUB Assembly Room on the University Park Campus.

His lecture is the second in the Contemporary Scholarship on Gay and Lesbian Lives series.

### MS BIZ Program gets under way

The Penn State McKeesport Campus will host the first MS BIZ Program for high school girls on Saturday, Oct. 15. The four-hour free seminar will explore careers in business and the career possibilities within a business administration degree.

The event is co-sponsored by the McKeesport Campus Continuing Education Office and The Smell College of Business Administration. MS BIZ is a recruitment program targeting 100 female high school juniors and seniors from the Greater Pittsburgh area who have an interest in business.

Marva Harris, senior vice president and manager of community development for PNC Bank N.A. in Pittsburgh, will be the featured speaker. Ms. Harris serves as director of Pittsburgh Partnership for Neighborhood Development, president of the board of Community Lender Credit Program, and board member for the City of Pittsburgh's Housing Authority.

### Minority Career Awareness Day

The annual Minority Career Awareness Day will be held Thursday, Oct. 13, in the Hetzel Union Building (HUB) on the University Park Campus.

The event, sponsored by the Career Development and Placement Center, will be held from 10 a.m. to 4 p.m. An employer-student reception will be held Wednesday, Oct. 12, in the HUB Fishbowl.

The multi-cultural event attracts African American, Hispanic/Latino, Asian American, and American Indian students. Student with disabilities also are encouraged to link up with potential employers.

Last year, 89 companies, representing both large and small corporations, governmental agencies, and non-profit organizations, participated in the event. More than 800 students attended.

Primary purposes of Minority Career Awareness Day are to provide students with an opportunity to build a network; to interact with professionals in their anticipated career field; and to obtain career information.

For more information, contact Catherine Dufour or Cindy Capperella, at 863-0228.



# LECTURES

## World renowned statistician to present lecture at 4 p.m. today

Sir David R. Cox, holder of the 1990 Kettering Prize and Gold Medal for Cancer Research and Foreign Associate of the National Academy of Sciences, will present the Krishnan Memorial lecture as part of the Department of Statistics Fall 1994 Colloquy Series. Dr. Cox's lecture, titled "Some Recent Developments in Graphical Models," will be held at 4 p.m. today, in 104 Classroom Building at University Park. The public is invited.

Dr. Cox also will visit the Center for Biostatistics and Epidemiology at The Hershey Medical Center on Friday, Oct. 7. He will serve as discussant for a morning symposium concerned with cancer screening, mixture approach to measurement errors, and bias in observational studies, and take part in an afternoon roundtable discussion. The symposium is scheduled from 10:30 a.m. until 12:30 p.m. and the roundtable discussion from 2 p.m. to 4 p.m. Both sessions will be held in room C-1874A of the Hershey Medical Center.

Born in Birmingham, England in 1924, Dr. Cox received his Ph.D. from the University of Leeds in 1949. He became a professor of statistics in 1956 at the age of 32. His highly original and outstanding contributions to the

theory and applications of statistics have earned him numerous honors including the Weldon Medal (University of Oxford), the Guy Medals in Silver and Gold (Royal Statistical Society), and the Deming Medal (American Society of Quality Control). Dr. Cox was knighted in 1985.

Dr. Cox is past president of the Bernoulli Society and the Royal Statistical Society; he is president-elect of the International Statistical Institute. He is a Fellow of the Royal Society of England, Royal Danish Academy of Science and Letters, American Academy of Arts and Science, as well as Fellow of the American Philosophical Society. He holds honorary doctorates from the University of Reading, University of Bradford, University of Helsinki, Heriot-Watt University, Limburgs University, Queen's University (Kingston, Ontario), Waterloo University, University of Neuchâtel, University of Padua, and the University of Minnesota. He is an honorary Fellow of Nuffield College.

Dr. Cox has an impressive record of publications. Since the award of his Ph.D. in 1949 he has published well over 250 research papers in internationally renowned journals. He is the author and co-author of a dozen books.

## Holocaust is subject of two events

**Readings from *Blue Light* — dealing with the Holocaust**  
Cynthia Ozick will read from her new play, *Blue Light*, for the 1994 Joanne and Paul Tanker Lecture in Jewish Studies at 8 p.m. Thursday, Oct. 20, in Room 112 Walker Building on the University Park Campus.

Based on her story, "The Shawl," *Blue Light* is a powerful tale of the Holocaust. As in her other works, such as "The Messiah of Stockholm," reason and emotion collide.

Literally, the play is about Holocaust denial. Metaphorically, it is about the illusions by which the devil seduces the world. *Blue Light* currently is in production under the direction of Sidney Lumet and stars Mercedes Ruehl and Dianne Wiest.

Mrs. Ozick has received numerous awards recognizing her literary achievement, including the American Academy of Arts and Letters Award for Literature, the Michael Rea Award for contribution to the short story, and honorary doctorates from Yeshiva University, Hebrew Union College, and Hunter College.

Her presentation is co-sponsored by the Jewish Studies Program and an RGSO Grant from the College of the Liberal Arts.

### Survivor talks about experiences

Zev Kedem, one of the 1,100 Jews whose life was saved by Nazi industrialist Oscar Schindler, will discuss his experiences as a survivor and a movie adviser in a Colloquy presentation at 8 p.m. Monday, Oct. 10, in Schwab Auditorium on the University Park Campus. Mr. Kedem, his mother and his sister were among the 1,100 who made up Schindler's list of "bought" Jews, saved from the horrors of a World War II concentration camp.

"There is no way to express the terror, the evil around us," says Mr. Kedem, who helped in the production of Steven Spielberg's film "Schindler's List." He calls his four years in six different concentration camps his ultimate education, from which he ultimately learned that one's time on earth is precious and none of it must be wasted.

Admission to the presentation is free, and no tickets are required to attend. The program is co-sponsored by Hillel, United Jewish Appeal, and Yachad. For more information contact Elliot Dowling, Colloquy president, at 865-9382.

## Nuclear engineering lecture set for Oct. 10 at University Park

William Naughton, director of strategic licensing and regulatory performance for the largest nuclear utility in the nation, will present the Department of Nuclear Engineering 1994 Outstanding Alumni Lecture.

The lecture, "High and Low Level Waste/Decommissioning/License Renewal: Complex Economic Strategic Issues Affecting the Nuclear Industry Survival," will be given at 4 p.m. Monday, Oct. 10, in 204 Sackett Building at University Park. A reception will be held at 3:30 p.m. in 221 Sackett.

Edward H. Klevans, professor and head of nuclear engineering, will present a certificate of recognition to Dr. Naughton following the lecture. The event is free to the public.

Dr. Naughton, an executive with Commonwealth Edison Company, is based in Downers Grove, IL. He began his career with the company after receiving graduate degrees in nuclear engineering from Penn State—a master's degree in 1968 and a Ph.D. in 1972. He has held a variety of engineering and management positions in the firm, including nuclear fuel services manager, director of engineering performance for the Engineering and Construction Division, and director of strategic licensing policies and issues.

Active in the American Nuclear Society, he served as chair of the Chicago local section and is a member of the Reactor Physics Division executive committee and the executive committee of the newly formed Decommissioning, Decontamination and Reutilization Division.

At Penn State Dr. Naughton served on the College of Engineering Industrial and Professional Advisory Committee (IPAC) for the nuclear engineering Department for six years, two as chair. He also was president of IPAC in 1993.

## Fred Lewis Pattee is subject of Oct. 8 conference in Kern

The first American Cultural Conference celebrating the academic life of Fred Lewis Pattee, the nation's first professor of American literature and faculty member at The Pennsylvania State College from 1894 to 1928, will be held Oct. 8 from 9 a.m. to 2 p.m. in 101 Kern Building at University Park.

In a centennial celebration of Professor Pattee's arrival at Penn State, speakers will highlight his role on campus as college citizen and eventually campus icon, and in the establishment of American literature as an academic subject in colleges and universities nationwide. With information gleaned from Professor Pattee's personal correspondence, diaries, and other papers in the University Libraries, as well as from interviews with those who knew him, the conference will provide a unique insight into the life of this highly influential professor.

Featured speakers and topics include Charles Mann, professor of English, chief of Special Collections, University Libraries, "Pattee and H.L. Menckens"; Leon Stout, University archivist, "Penn State Yankee: Pattee and the Penn State Connections"; Robert Macksey, professor of English, Johns Hopkins University, "Fred Pattee and the Institution of American Literature"; and James Martine, professor of English, St. Bonaventure University, "Pattee and Me."

The conference is sponsored by the College of the Liberal Arts, the English Department, American Studies, and the University Libraries.

## National symposium on family-school issues taking place Oct. 31-Nov. 1

An national symposium to examine the way in which family-school relations influence educational outcomes at Penn State is scheduled for Monday and Tuesday, Oct. 31 - Nov. 1, in the Nittany Lion Inn on the University Park Campus.

The symposium is organized particularly for those who teach and do research on family-school issues, graduate students who have a major interest in the area, and policy and program specialists. Organizers of the symposium are Alan Booth, professor of sociology, and Judith Dunn, distinguished professor of human development.

Four key issues will be addressed: Families and schools: How can they work together to promote children's

school success? How do school processes affect children and their families? How is changing a family structure affecting school outcomes? and Building research and policy agendas: New directions.

The symposium is sponsored by the Population Research Institute, Center for the Study of Child and Adolescent development, the departments of Sociology and Psychology, Intercollegiate Research Program, and College of the Liberal Arts.

For a brochure and registration materials, call or write to Chuck Herd, 409 Keller Conference Center, Pennsylvania State University, University Park, Pa. 16802-1304, phone (814) 863-1744 or fax (814) 865-3749.



## LEADERSHIP PROFILE



JoAnne E. Burley, CEO of the McKeesport Campus, considers herself a lifelong learner.

**A**S McKESPORT CEO JOANNE E. BURLEY IF SHE CAN IDENTIFY A COMMON THREAD LINKING HER EDUCATION, HER INTERESTS AND HER CAREER, AND SHE DOESN'T HESITATE.

"Both personally and professionally, I'm fascinated by the idea of adult lifelong learning," she says. "It's a concept that embraces almost everyone. It allows you to work with people who have reached very sophisticated levels of achievement as well as with the job ladder."

Dr. Burley began her own association with lifelong learning as an undergraduate at University Park, where she received a B.S. in elementary education in 1964. As a member of the Chapel Choir, she traveled and sang in nine European countries, and music remains one of her principal sources of enjoyment.

At Penn State, she also met and married another undergraduate, Jack Lyn Burley. Mr. Burley, who is now president of Heinz Service Company, is an alumnus of The Smeal College of Business Administration.

The couple has two children—Diana Lynne, currently completing her Ph.D. in computer science at Carnegie Mellon, and Jack Jr., a sophomore at McKeesport.

Once she'd seen her children established in school, Dr. Burley returned to the classroom herself. She earned an M.A. in education at Fair-

field University in 1971 and, when the family moved from Connecticut to Pennsylvania, obtained reading specialist and reading supervisory certifications from the University of Pittsburgh.

"Even though I was enjoying my work in the Pittsburgh public school system," she says, "I still felt a need for new educational challenges, so I decided to return to Pitt to earn a Ph.D."

Her degree in language communications with a minor in educational research was conferred in 1980, and she subsequently topped it off with post-doctoral study at Harvard University's Management of Lifelong Learning Institute.

Having thus exemplified the concept of lifelong learning in her own educational career, Dr. Burley was now equipped with the academic credentials to enable her to help other adult learners.

"Chatham College gave me the opportunities I was seeking," she observes. "It was one of the first institutions of higher education in the Pittsburgh area to develop programs that enabled returning adult women students to obtain baccalaureate degrees or certification in the field of education."

Dr. Burley remained at Chatham from 1980 to 1992, becoming an associate professor of education and assistant vice president for academic affairs. She had co-authored a textbook, *Perspectives: From Adult Literacy to Continuing Education*, and was on sabbatical to

## JOANNE E. BURLEY

### TAPPING MCKEESPORT'S URBAN AND RURAL ROOTS

"AS AN INSTITUTION, WE CAN ONLY SURVIVE IF WE POSITION OURSELVES PROPERLY FOR THE FUTURE. THE ONLY WAY IS CHANGING AND WE HAVE TO GET IN STEP TO FIND OUR NEW DIRECTION."

write a sequel when she was tapped for the post at McKeesport.

"I'm afraid that book won't be finished for a while," she notes wistfully.

One of her duties at Chatham was the preparation of grant proposals, and she is particularly proud of the funding she obtained from the Pennsylvania Department of Education to support adult literacy programs.

"We brought residents from the community onto the campus to work toward their high school equivalency degrees," she says, "and this, in turn, provided an opportunity for our returning adult students to gain teaching experience by tutoring the newcomers in reading skills, English and basic mathematics."

"It's this kind of intensive focus on urban education that I hope we can emphasize at McKeesport," Dr. Burley continues. "My long-term vision is to see the campus eventually offer a baccalaureate degree in elementary education so that we can prepare both future teachers and non-traditional adult learners."

Penn State McKeesport came into being as a center in 1948, primarily in response to the need to provide returning veterans with opportunities for occupational training. It moved to its present 42-acre site in 1957.

The campus setting reflects its urban and rural missions. Located only 15 miles away from Pittsburgh, with direct bus service to and from the city, it is bordered by a large wooded park. The student body is drawn from the surrounding Monongahela ("the Mon") region and from Pittsburgh itself.

Dr. Burley believes the "Mon" Valley offers unique educational opportunities to McKeesport.

"This area includes many small towns that were once vibrant steel working communities, and we are the

only institution of higher education in the valley capable of providing residents with four-year programs and lifelong learning support," she points out.

"Currently we are working with the Mon Valley Education Association, a consortium of 22 school districts, to develop in-service teacher training programs. Through Continuing Education, we already provide certification to teachers who have improved their skills in the use of classroom multimedia techniques."

Building on the strengths of its faculty, many of whom have a strong engineering and science predilection, McKeesport has pioneered a Women in Science, Engineering and Technology Program.

"A wing in our residence halls has been set aside so participating women can live together and enjoy special programming," Dr. Burley reports. "We also have added a summer component for eleventh-grade women and minorities."

Dr. Burley and her faculty and staff spent much of their summer preparing for the Viability Study now under way at McKeesport under the chairmanship of College of Education Dean Rodney Reed.

"This study is being conducted by colleagues who will estimate our capabilities and our vision for the future," Dr. Burley says. "We want them to look at our strengths and our weaknesses and to help give us redirection."

"As an institution, we can only survive if we position ourselves properly for the future. The world is changing and we have to get in step to find our new direction."

"While I see the administration of McKeesport as a challenge," Dr. Burley concludes, "for me, as a Penn State alumna, it's also a labor of love. I've never been a position where I have felt more challenged and happy."

PENNSYLVANIA



# Engineering buildings take spotlight during Oct. 8 open house

**In the last three years, more than 153,000 square feet in the buildings have been renovated**

The renovated Reber Mechanical Engineering and Electrical Engineering West Buildings at University Park will be on display during a joint Open House from 10 a.m. to 3 p.m. Saturday, Oct. 8.

During the past three years, more than 153,000 square feet in the two buildings have undergone extensive renovations.

Students and faculty will lead tours through new classrooms and teaching and research labs. The tours will include clean rooms (where microelec-

tronics research and teaching go on), wind and water tunnels and undergraduate teaching laboratories. There will be demonstrations in several labs.

The Mechanical Engineering Building, renamed the Reber ME Building last year, was constructed in 1929 as a machinery laboratory. The last renovation occurred in 1949 when the Commonwealth added two wings.

The current renovation includes the addition of 10,000 square feet, including a new portico on the east entrance. New facilities include a computer studio, library, a new meeting/classroom and teaching and research labs.

Until the EE Building was built in 1939, the Electrical Engineering Department was housed in the Engineering Units behind Hammond Building. It became EE West when the another electrical engi-

neering facility, EE East Building, was built in 1964.

The EE West renovations include the addition of 8,000 square feet of clean room facilities. Most of these are part of the Electronic Materials Processing and Research Laboratory but also include a clean room dedicated to undergraduate use. Other facilities include new signal processing, control and electronic devices research laboratories on the second floor, and an upgrade of undergraduate electronics and computer laboratories on the 3rd floor.

The Reber ME Building entrance is on the west side of Brown Avenue A Parking Lot, off Burrows Road near College Avenue. Electrical Engineering West is immediately northeast of Brown A, or south of Pollock Road, behind the Mineral Sciences Building.

## Appointments

### Director named

Roy L. Austin, associate professor of sociology and administration of justice, has been named director of the Administration of Justice Program, which has become a unit within the Department of Sociology.

Dr. Austin, who joined the university faculty in 1972, received a bachelor's degree from Yale University and a master's and doctorate in sociology from the University of Washington.

His research interests include crime and deviance theory, juvenile delinquency, race/ethnicity and crime, gender and race/ethnic relations, and various Caribbean concerns.

Dr. Austin's current research projects include the deterrent effect of executions, sentencing guidelines and racial disparity, black powerlessness and African-American crime rates, and race-gender changes in crime rates. His cross-cultural interests are reflected in his present research on the relationship between the rapid rise in oil prices in the 1970s and crime rates in Trinidad and Tobago.

Among his recent publications are "Race, Female Headship, and Delinquency" which appeared in the *Justice Quarterly*, and "Recent Trends in Male and Female Crime Rates" in the *Journal of Criminal Justice*.

### Academic affairs director appointed

James L. Monroe, professor of physics at the Penn State Beaver Campus, has been appointed director of academic affairs at the campus.

In addition to his duties as professor and director of academic affairs, Dr. Monroe also serves as coordinator of the Department



Roy L. Austin

Physics. He has published more than 30 articles in a variety of academic research journals and is the recipient of the Christian R. and Mary F. Lindbach Award for Distinguished Undergraduate Teaching.

At the Beaver Campus, Dr. Monroe has served as chairman of the Academic Affairs Committee, chairman of the Promotion and Tenure Committee, and chairman of the Hearing Board. He is a member of the American Physical Society and a member of the American Association of Physics Teachers, Western Pennsylvania Section.

Dr. Monroe holds undergraduate degrees from the University of California at Berkeley and Miami University in Ohio. He received his doctorate in physics from Columbia University.

Jean Landa Pytel, assistant professor of engineering mechanics, has been named assistant dean for student services in the College of Engineering.

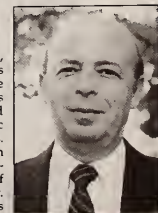
The new position is part of a broad reorganization of Engineering Undergraduate Studies. Dr. Pytel will administer the advising system and a wide variety of support services for engineering students. Among her duties will be oversight of student organizations and special programs for engineering undergraduates. The associate dean will concentrate on curricular affairs, teaching and learning, and enrollment management.

Dr. Pytel came to Penn State in 1979 from the faculty of Queen's University in Kingston, Ontario. During a leave of absence in 1990-91, she served as the acting assistant to the dean of the new College of Engineering at the University of California-Riverside.

She has taught undergraduate and graduate courses in mechanics and biomechanics and was the Society of Women Engineers adviser. She was also the undergraduate adviser in the Department of Engineering Science and Mechanics.

Dr. Pytel has served on the University Faculty Senate for seven years and currently chairs the Senate Committee on Faculty Benefits and the University Appeals Board. She is a member of the Penn State Women in Science and Engineering (WISE) Network Executive Committee. A fellow of the American College of Sports Medicine, she has served on the executive board of the American Society of Biomechanics.

She holds a bachelor's degree from York University and a master's from Washington State University, both in physical education. She has a Ph.D. from Penn State in biomechanics.



James L. Monroe

### New CQI Team Tackles MPA Enrollments

A new CQI team at Penn State-Harrisburg will study the enrollment processes for students entering the Master's in Public Administration program. The team's objective is to increase the enrollment and retention of well prepared, motivated MPA students. The team's sponsors are James Skok, director, School of Public Affairs, and James South, associate provost for administrative operations. Chris McKenna, coordinator of the MPA program, is the team leader, and Robert Surridge, assistant provost for outreach, is its facilitator. Team members are: Rupe Chisholm, Maryalice Gaust, Karl Martz, Steve Hevner, Mary Alice Finn-Shuart and Andrea Willard. The team received a full day of on-site team training on Sept. 9 from John McKissick, instructor in Management Development Programs and Services.

### CQI Council Member on Panel

James Ryan, vice president and dean of Continuing & Distance Education, was a panelist for the September session of the Total Quality Council of Central Pennsylvania. Dr. Ryan and executives from two local businesses discussed, "Managing the Total Quality Organization." The other panelists represented AtoTech, USA, Inc., and Centre HomeCare, Inc.

### Total Quality Forum in Dallas

John Brightton, executive vice president and provost; Nancy Cline, dean of the University Libraries; and Louise Sandmeyer, executive director of the CQI Center, will present a session at the Total Quality Forum in Dallas Oct. 18-21, on "Structuring for TQ in Higher Education: Teaming for Excellence."

In the presentation, Dr. Brightton will discuss the vision and rationale for the CQI initiative at Penn State. Dean Cline will present examples of what the university is doing to achieve its vision, focusing on the various kinds of university improvement teams, and Ms. Sandmeyer will talk about the Central Enrollment Management Group as an example of a critical process team. She will provide examples of the institutional supports that are available for team activity.

Also at the TQ Forum, J.D. Hammond, dean, and Arnold Shapiro, professor of business, The Smeal College of Business Administration, will discuss "Creating a New Model: Technology as a Partner." This session will present a model for implementing technology in and outside of the traditional classroom for primary and continuing education, allowing students to learn the mathematics of finance without an instructor. The software for the model is currently being tested by faculty at the University of Michigan, Purdue University and Oregon State University.





# The Arts

AT PENN STATE

## Symphonic Wind Ensemble

Folk music of other lands will be the focus of a concert by the School of Music's Symphonic Wind Ensemble at 8 p.m. Friday, Oct. 7, in the Recital Hall of the Music Building on the University Park Campus.

Conducted by Smith Toulson, the ensemble will perform Gustav Holst's *Second Suite for Military Band*, a work based entirely on folk songs (many of them quite familiar) of Britain, and another work based on folk rhythms, *Antelia* by Paul Cresson.

In addition, the ensemble will perform Dmitri Shostakovich's *Festive Overture*, and Norman Dello Joio's *Variations on a Theme by Haydn*, which is based on a strikingly familiar melody from one of Haydn's piano works.

The ensemble also will present guest conductor David Borsheim, who will conduct *Celebrations* by John Ziecklik. Mr. Borsheim is a member of the music faculty at Mansfield University, where he teaches horn and composition, and conducts the Wind Ensemble. He is at Penn State exploring wind band literature, and furthering his study in conducting.

## Bird of prey art

Shaver's Creek Environmental Center will hold its third annual Bird of Prey Art Show and Sale Oct. 8-23 at the center, located off Route 26 south of Pine Grove Mills.

Twelve artists from the region will sell works in clay, wood, bronze, oil, acrylic, and watercolor, all with a wildlife theme. The event benefits the Raptor Center at Shaver's Creek.

Many of the artists will be on hand for an opening-day reception from 11 a.m. to 3 p.m. Saturday, Oct. 8. That day also will feature live music from the Donation Band, a bake sale, and falcons displaying a Harris's hawk and prairie and peregrine falcons.

Shaver's Creek is a teaching laboratory in the School of Hotel, Restaurant, and Recreation Management, part of the College of Health and Human Development. Among its facilities is the Raptor Center, which houses birds of prey with injuries too severe to allow them to survive in the wild.

## Museum lecture

Ricardo Viera, Lehigh University gallery director and internationally

known curator, will present a public lecture on Cuban and Cuban American artists at 3 p.m. Monday, Oct. 10, in the Palmer Museum of Art on the University Park Campus.

From 4 to 6 p.m. on Sunday, Oct. 9, Mr. Viera will participate in a seminar on Caribbean art and literature with Glenn Willmanson, curator, Palmer Museum of Art, and with professors Julia Cuervo Hewitt, Celeste Frasier Delgado, and Robert Lima. The seminar will be held in the Writing Room One of the Nittany Lion Inn on University Park Campus.

Mr. Viera's visit is funded by the Institute for the Arts and Humanistic Studies, the International Programs/MCUA, the College of Arts and Architecture, the Department of Spanish, Portuguese and Italian, University Scholar's Program, and the School of Visual Arts.

The lectures are free to the public.

## "Double Plots"

On Tuesday, Oct. 11, the Palmer Museum of Art will open an exhibition specifically designed for the museum by New York artist Mary Ellen Carroll. Titled "Double Plots," the exhibition takes as its focus a passage from Sigmund Freud's "Interpretation of Dreams."

Ms. Carroll will present a lecture on her work at 7:30 p.m. Tuesday, Oct. 11, in the Palmer-Lipson Auditorium on the University Park Campus.

An internationally recognized conceptual artist, Ms. Carroll has exhibited in Germany and Italy as well as New York, Chicago, Boulder, and Anchorage. She is the recipient of several awards including the Hospital of Stipendium, an Arts International Travel Grant to India, and a fellowship to the MacDowell Colony.

## Centre Dimensions

Centre Dimensions, a jazz ensemble under the leadership of Dan Yoder, director of jazz studies, will present its first concert of the season at 8 p.m. Tuesday, Oct. 11, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will include several classic standards from big band repertoire. Stan Kenton's theme song "Artistry in Rhythm" will feature pianist Jeff

Lawlis. The band will perform Bob Florence's fresh new arrangement of the standard "Body and Soul."

Chick Corea's "Samba Song" as performed by the Woody Herman Orchestra, "Freckle Face" from the Count Basie library, and "Blues Machine," from Louis Bellson's Big Band, are a few of the other selections to be performed.

The concert is free to the public.

## Trombone Choir

The Penn State Trombone Choir, under the direction of Mark Lusk, associate professor of music, will perform in concert at 12:10 p.m. Thursday, Oct. 13, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's 120th series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Trombone Choir consists of 20 members, all of whom are music majors. Bruce Tychinski, assistant conductor, is a graduate trombone performance major and a teaching assistant in the School of Music. The program will include a series of chorale harmonizations by J.S. Bach, Allen Chase's "Passacaglia" and Adagio from "Rhapsody" Op. 53 by Brahms.

The concert is free to the public.

## Pianist to perform

Pianist Richard Goode will perform at 8 p.m. Friday, Oct. 14, in Eisenhower Auditorium on the University Park Campus. The performance opens the Masterworks series sponsored by the Center for the Performing Arts.

A nationally noted performer of Beethoven since 1986, Mr. Goode's all-Beethoven performance will include Sonata in G Major, Op. 14, No. 2; Sonata in A-flat Major, Op. 26; Sonata in F Minor, Op. 57 Major, Op. 2, No. 3.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m. at (814) 863-0255.

## Odyssey on WPSU

On "Cultural Dimensions of the Past," Prof. John van der Westhuizen of the University of Cape Town, South Africa, discusses the Icelandic Sagas and the ways in which these powerful dramas reveal the social history of medieval Iceland.

Although legal scholars are now recognizing the sagas for their historical value in revealing the social, legal, and domestic arrangements of the era,

Dr. Westhuizen believes more emphasis should be placed on their literary value as discussions of the place of honor in society. They are, he tells host Leonard Rubinstein, "dramas of the will."

Odyssey Through Literature is produced at WFSX-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WFSU, 91.5 FM.

## PENN STATERS

Waverly Coleman, director of continuing education at the Penn State Delaware County Campus, has been appointed director-at-large on the executive board of the Association for Continuing Education, Inc. The association is an institution-based organization of colleges, universities, and individuals dedicated to the promotion of lifelong learning and excellence in continuing higher education.

Richard Fitzsimmons, head librarian at the Worthington Scranton Campus, presented a paper titled "Baltic Information: Sources and Resources for Research" at the 14th International Conference on Baltic Studies.

Katherine Frith, associate professor of advertising, presented a paper titled "Consumption and Communication: Consumer Issues in ASEAN" at the Association for Consumer Research 1994 Asia Pacific Conference in Singapore in June. Following the conference, she spent three weeks at the office of Dentsu Advertising, the world's largest advertising agency in Jakarta, Indonesia.

Marty Goldberg, head librarian at the Beaver Campus Library, presented a paper on "Children's Holocaust Autobiographies" at the International Association of School Librarians annual conference.

Murat Gunaydin, professor of physics, presented an invited lecture, titled "Extended Superconformal Symmetry, Freudenthal Triple Systems, and Gauged WZW Models," during the Gürsel Memorial Conference at Bogaziçi University in Istanbul, Turkey. He also was a visiting scientist in Finland for one month at the Research Institute for Theoretical Physics at the University of Helsinki. During his visit he presented a seminar titled "Extended Superconformal Symmetry, Triple Systems, and Gauged WZW Models."

Susan Hamburger, senior assistant librarian, manuscript librarian, presented a paper, "The Controversy Over Parity-mutual Betting in Florida, 1925-1931," at the annual conference of the North American Society for Sport History at the University of Saskatchewan.

James Kurte and Kenneth Louie, associate professors of economics at Penn State Erie, The Behrend College, co-wrote and presented two papers at the Regional International Conference of the International Trade and Finance Association at the University of Reading, England. The papers were "The Impact of Industrial Diversification of Exports on Export Stability," and "The Effect of Export Destination on the Volatility of the Export Sector."





# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, October 6**  
Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Assessing and Evaluating Student Learning in Collaborative Classrooms." To register call 863-2599.

■ Center for Russian and East European Studies, noon, 102 Weaver Bldg. Thomas F. Wagner on "The End of Yugoslavia: The Coming Separation of Croatia and Serbia."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Flute Ensemble. Center for Women Students, 7 p.m., HUB Assembly Room. Sally Greenberg on "Hate Crimes."

Shaver Creek, 7 p.m. Volunteer meeting for those interested in helping with the Halloween Trails. Call 863-2000.

■ Comparative Literature, 7:30 p.m., HUB Fishbowl. El Hadji Papa Bunka Susso and Nakoyu Susso, keepers of the oral tradition from the West African country of The Gambia, will hold a performance, lecture, and conversation session.

**Friday, October 7**  
Fall Alumni Weekend  
College of Education, Penn State Scenic, 1094 Penn State Education Summit. Through Oct. 8. Crime and violence in the schools, inclusion, technology in education and total quality management are among the topics on the agenda. Conference registration can be arranged through Judy Hall, 863-5130.

Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Janice Monk on "Finding Their Place: Women in American Geography in the Twentieth Century." University Resident Theatre Company, 8 p.m., Pavilion Theatre. Keely U. D. Tickets required, call 863-0255. Continues through Oct. 15. Reception follows in Nittany Lion Inn.

School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

**Saturday, October 8**  
Young Alumni Reunion/Lantern Tours  
Sunday, October 9

■ Latin American Event, Ricardo Vera on "Caribbean Literature and Art: Time and place to be announced. Also Oct. 10, 3 p.m., Palmer Lipton Auditorium. Ricardo Vera on "Latin American Photography from Cuba, Mexico and Puerto Rico." For more information, call Micaela Amato at 865-0444.

**Monday, October 10**  
University Scholars Visitation Day, Eisenhower Auditorium.

The Center for the History of the Book, 3:30 p.m., Carnegie Auditorium. Robert L. Patten on "When Is a Book Not a Book?" Anthropology, 4 p.m., 101 Kern. The Sixth Paul T. Baker Lecture. Nevin S. Scrimshaw on "Social Environment, Behavior and Health."

■ Hillel, United Jewish Appeal, and Yachad, 8 p.m., Schwab Auditorium. Zev Kedem, one of the 1,100 Jews whose life was saved by Nazi industrialist Oskar Schindler, will discuss his experiences as a survivor and a movie actor.

**Tuesday, October 11**  
Applied Research Laboratory Workshops, Penn State Scenic. With industry and government representatives. Also Oct. 12.

Anthropology, 10 a.m., 107 Carpenter. A symposium on current research in human biology for graduate students. Students will present 10-15 minute papers on their research. This session is open to students from any department as well as students from other universities. Call 865-2592.

Center for Women Students, 4 p.m., HUB



## Technologically speaking

Terri Brooks, dean of the School of Communications, led a panel discussion last week during a half-day interactive satellite conference focusing on the evolution of information and technology and its effects on government, education, industry and the media. The panel discussion, beamed to more than 100 colleges and universities nationwide, was the first time such a large number of institutions engaged in national dialogue about a single issue.

Photo: Greg Grieco

Assembly Room. Robin T. Ochs on "Images of Bisexuality in the Media." University Libraries, 6:30 p.m., 102 Classroom Bldg. InterNexus. Registration not required.

Palmer Museum Lecture, 7:30 p.m., Palmer Lipton Auditorium. May Ellen Carroll on "Double Poles: An Explanation." School of Music, 8 p.m., Recital Hall. Centre Dimensions. University Jazz Ensemble.

**Wednesday, October 12**  
Agricultural Sciences, Agricultural Sciences and Industries Bldg. Flower Growers Day At Penn State. Primary theme: "The Alpha and Omega of Floricultural Technology."

Center for Women Students, 3:30 p.m., 120 Boucke Bldg. Film/Discussion: "Excited, Angry, Active, Vocal," Women Out Loud."

**Thursday, October 13**  
The East-Central Chapter of the American Society for Eighteenth-Century Studies Annual Meeting. Agenda of papers, concerts, and other events planned. Plenary speaker, Professor Gita May. For further information, call Dale Monson at 865-0431.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Trombone Choir.

University Libraries, 6:30 p.m., 102 Classroom Bldg. Using Gopher to Browse through the Internet. Registration required, call Joyce Combs, 863-0325. Must attend InterNexus class first.

**Friday, October 14**  
University Libraries, 9 a.m., 141 Computer Bldg. File Transfer with FTP (MAC Ver-

sion). Registration required, call Joyce Combs, 863-0325. Must attend InterNexus class first.

■ Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg. Susan M. Roberts on "The World is Whose Oyster? Globalization and Geography."

■ Latin American Student Association, 7 p.m., Paul Robeson Cultural Center.

Klein on "Recent Developments in Cuprate High Tc superconductivity." Architectural Engineering, 3:45 p.m., 22 Dieke Bldg. Albert A. Dorman on "Architectural and Engineering Managers: Who Needs Them?"

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Urs von Matt on "Round Errors in Solving Block Hessenberg Systems."

The Lionheart Center Leadership Seminar, 4 p.m., 123 EE East. Michael Brunner on "Leadership as Service."

**Friday, October 7**  
Tower Room, Central Public Library. Entomology, 11 a.m., 101 ASI Bldg. Mark Whalon on "Bt Resistance in Colorado Potato Beetles."

Economics, 3:30 p.m., 413 Kern. Abhijit Banerjee on "Theory of Misrepresentation." History, 4 p.m., 102 Weaver Bldg. Michael Broyles on "Charles Ives and American Political Movements."

**Monday, October 10**  
Condensed Matter Seminar, 3:30 p.m., 339 Davey Lab. David Dvornikov on "Quantum Computers Using Spins."

Economics, 3:30 p.m., 413 Kern. Patrick DeGraba on "Leveraging Into Zero Profit Markets."

Plant Pathology, 3:30 p.m., 110 Warrick Lab. Todd Fredericksen on "Whole Tree Physiological Response to Ambient Ozone Exposures."

**Tuesday, October 11**  
Chemistry, 3 p.m., 35 Osmond Hall. Stephen J. Lippard on "Non-Heme Iron and the Biological Oxidation of Methane."

Center for Gravitational Physics and Geometry, 3:30 p.m., 131 Osmond Hall. Domenico Giulini on "Diffeomorphism Groups of Three Manifolds."

Outstanding Women in Geosciences, 4 p.m., 26 Hostler Bldg. Terry Plank on "The Ins and Outs of Arc Volcanoes: Sediment Recycling at Subduction Zones."

**Wednesday, October 12**  
Xerox Awards Day. Leonard Brillson will present a seminar on "The Changing Roles of Researchers in Industry, 11 a.m., Room 169, Materials Research Center."

**Thursday, October 13**  
Ceramic Science, 11 a.m., 301 Steidle. John Halloran on "Non-Brittle Ceramics from Fibrous Monoliths."

Center for Gravitational Physics, 11:30 a.m., 339 Davey Lab. Alexander Migdal on "Loop Equations in QCD."

Economics, 2:30 p.m., 367 Willard. Joel B. Siemrod on "A General Model of the Behavioral Responses to Taxation."

Physics, 3:30 p.m., 101 Osmond Lab. John C. Price on "Quantum Moments of Electrons in Metals."

Graduate Program in Nutrition, 4 p.m., S-207 Henderson Bldg. South. Rachel K. Johnson on "The Effect of Parental Smoking on the Quality of Low-Income Children's Diets."

**Friday, October 14**  
Economics, 10:30 a.m., 403 Kern. M. Scott Taylor on "Trade and Transboundary Pollution."

Entomology, 11 a.m., 101 ASI Bldg. David Heckel on "Mendel Meets Mohra: Towards a Comparative Genomics of the Lepidoptera."

See "Calendar" on page 8

## Faculty/Staff Alert

### Employee Assistance Program

In anticipation of the introduction of Penn State's Employee Assistance Program early in November (see Employee Benefits Column, below), the Office of Human Resources is offering informational sessions at University Park Campus to help faculty and staff learn more about the EAP services, how the EAP may benefit them and how to access EAP services. Programs also will be held at all Commonwealth Campus locations, Penn State Harrisburg and Penn State Erie, The Behrend College in the near future.

All staff and faculty are encouraged to attend one of the sessions. **REGISTRATION IS REQUIRED.** To register, call the Human Resource Development Center at 865-8216 or send e-mail to Jan Hawbaker at JQH3@psu.edu or JQH3@cas.psu.edu. Please include your name, campus address, campus phone number, Penn State ID number and course title, code and section number.

**Understanding Your Employee Assistance Program**  
 Course code: WEL048 - An introduction to Penn State's EAP as a confidential and beneficial resource. It describes the foundations of the EAP, the procedures for accessing

Sec. 1	Tues, Oct. 11	11-11:45 a.m.	125 Reber Bldg.
Sec. 2	Wed, Oct. 12	8:30-9:15 a.m.	Sutton Room, Johnston Hall

services and a snapshot of the brief therapy process.

Sec. 3	Wed, Oct. 12	9:30-10:15 a.m.	Sutton Room, Johnston Hall
Sec. 4	Wed, Oct. 12	1-1:45 p.m.	301 HUB
Sec. 5	Wed, Oct. 12	2-2:45 p.m.	301 HUB
Sec. 6	Thurs, Oct. 13	10:15-11 a.m.	402 Keller
Sec. 7	Thurs, Oct. 13	11:15-noon	402 Keller
Sec. 8	Thurs, Oct. 13	1:15-2 p.m.	402 Keller
Sec. 9	Thurs, Oct. 13	2:15-3 p.m.	402 Keller

**Employee Assistance Program: The Supervisor's Role**  
 Course Code: LDR017 - An interactive program designed to help supervisors better understand the benefits of the Penn State EAP. Includes an overview of the EAP as well as guidance on how a supervisor should interact with Penn State's Employee Relations Division and the EAP when an employee's work performance is affected by a personal problem.

Sec. 1	Tues, Oct. 11	3:30-5 p.m.	125 Reber Bldg.
Sec. 2	Wed, Oct. 12	10:30-noon	Sutton Room, Johnston Hall
Sec. 3	Wed, Oct. 12	3:15-4:15 p.m.	301 HUB
Sec. 4	Thurs, Oct. 13	8:30-10 a.m.	402 Keller

makes life difficult, it affects all aspects of our lives—at home and at work. When you are helped with a personal problem, home life improves, work improves and everyone benefits."

#### What is EAP?

An EAP is a confidential program designed to help resolve personal problems. Information, consultation and assistance are provided by professionally trained counselors.

#### An EAP Can Help With:

- Emotional and personal conflicts
- Depression
- Family and relationship concerns
- Questions about drug/alcohol use
- Managing stress and change
- Budgeting
- Career concerns
- Divorce or separation
- Grief
- Work performance difficulties
- Parenting
- Care for elderly parents

#### The EAP And Penn State Employee Benefits

Penn State will absorb the cost of the first three EAP consultations. If a referral is made for further treatment, reimbursement will be subject to the limitations and restrictions of the individual's health care plan.

#### Accessing The Program

The program encourages early use, when you first notice a problem or when your own efforts to resolve it have not been satisfactory. It should be noted that:

- All EAP fees for eligible employ-

ees, family members and members of an employee's household are paid by Penn State.

- Services are confidential.
- Use of an EAP is voluntary.

Since the services of the Employee Assistance Program are available to eligible employees, family members and members of the employee's household, faculty and staff are strongly urged to share the EAP information with them. For this reason, additional information concerning the Employee Assistance Program will be mailed to faculty and staff members at their home address.

For additional information, all employees, except those located at The Hershey Medical Center, should contact 1-800-858-275U or 1-800-858-2778. Hershey Medical Center employees should contact 1-717-566-7334 or 1-800-543-5080. (See Faculty/Staff Alert above).

In addition to the EAP, it is important to note that the University provides 12 distinct benefit programs. With each of these programs, it is likely individuals will have some out-of-pocket expenses.

It is the faculty or staff members' responsibility to determine the extent of coverage available and any and all restrictions related to his or her health plan, before treatment begins. Staff at HealthAmerica or the Office of Human Resources Employee Benefits Division are available to assist you. This information also is available in the Summary Plan Document and related brochures.

## Calendar

continued from page 7

### CONFERENCES

#### Thursday, October 6

■ PaCIE and International Education: the Next 25 Years, Nittany Lion Inn.

#### Friday, October 7

The Rural Elderly: Improving Life Through Nutrition, 175 attendees, The Nittany Lion Inn, The Penn State Scanticon.

#### Sunday, October 9

Northeast Sixty Group, 40 attendees, Days Inn Penn State. Through Oct. 10. Engineer/Scientist as Manager Program, 35 attendees, The Nittany Lion Inn.

#### Monday, October 10

Social Structures Conference: Societal Mechanisms for Maintaining Competence in Old Age, 50 attendees, The Penn State Scanticon. Through Oct. 11.

Pennsylvania Water Environment Association, 60 attendees, Days Inn Penn State. Through Oct. 12.

Short Course on Vibration Control, 40 attendees, The Penn State Scanticon.

#### Through Oct. 14

Wednesday, October 12  
 Flower Growers Day, 125 attendees, ASI Bldg.

Mine Safety Applications, 25 attendees, The Penn State Scanticon. Through Oct. 14.

#### Thursday, October 13

Eastern Central American Society, 150 attendees, The Penn State Scanticon.

#### Through Oct. 16

Friday, October 14  
 Violence in the Workplace, 60 attendees, The Nittany Lion Inn.

American Conference on Romanticism, 150 attendees, The Penn State Scanticon.

#### Through Oct. 16

Midwest Mathematical Economics and International Economics meetings, 100 attendees, The Nittany Lion Inn. Through Oct. 16.

Sunday, October 16  
 Executive Management Program, Week III, 35 attendees, The Nittany Lion Inn.

Through Oct. 21  
 GPU Executive Institute, Module 1, 35 attendees, The Nittany Lion Inn. Through Oct. 28.

### EXHIBITS

HUB Formal Gallery:  
 "My Sister Renee," by painter Beverly Molv-er. Through Oct. 8.

HUB Art Alley:  
 The Milton Juniata Art League will feature a large cross-section of local artists and various art forms, including photography, drawing and painting. Through Oct. 23.

Kern Art Gallery:  
 Navajo sand paintings by artist Storm Berg. Through Oct. 23.

Peter Museum:  
 "Felix Vallotton: Prints and Preparatory Drawings," through Oct. 9.

"Double Plots: Installation by Mary Ellen Carroll," Oct. 11 through Dec. 11.

Peterson Undergraduate Gallery:  
 Laurie Ricadonna, BFA paintings. Through Oct. 14.

■ Reflects an international perspective



A regular column provided by the Office of Human Resources

### Employee Assistance Program (EAP)

The Office of Human Resources announces that, effective Nov. 1, 1994, Penn State will offer University-wide an Employee Assistance Program (EAP).

The Milton S. Hershey Medical Center originally piloted the EAP and currently has a program in place.

Billie S. Willits, assistant vice president for human resources, said the University is pleased to offer this important service to faculty and staff at all locations now.

"Personal problems are a normal part of living and EAP can help individuals deal with life's rough spots—whether they occur on or off the job. Living in today's complex world is challenging. As we strive to balance the demands of work, family and our own personal needs, there may be times when we feel our ability to cope is being stretched," she said.

"When a personal problem



## Alumni Fellows

# Eberly College of Science Alumni Fellows honored

Two Eberly College of Science Alumni — Joseph A. Miller Jr., senior vice president for Central Research and Development at E. I. duPont de Nemours and Company of Wilmington, Del., and Morris Taradasky, president and chief executive officer of MicroNet Technology, Inc., in Irvine, Calif. — will be honored with the Alumni Fellow Award for 1994.

The Alumni Fellow Award, sponsored by the Penn State Alumni Association, is the most prestigious of the association's awards. It is administered in cooperation with the colleges. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Mr. Taradasky will be honored at a reception on Oct. 10 and Dr. Miller will be honored on Oct. 26. During their three-day visits, sponsored by the Eberly College of Science, they will receive their award and interact with students, faculty, and administrators throughout the University.

Dr. Miller received a summa cum laude bachelor of science degree from Virginia Military Institute in 1963 and his doctoral degree in chemistry from Penn State in 1966. He has been with DuPont throughout his career, assuming his current position in 1994. He held a variety of positions throughout DuPont in



Joseph A. Miller Jr.

Morris Taradasky

research and development, manufacturing, business, and marketing. He currently is DuPont's executive liaison to Penn State.

Dr. Miller is a member of the American Chemical Society, the Industrial Research Institute, and the governing board for the Council for Chemical Research. He is a member of the board of directors

for DuPont Merck Pharmaceutical Company, the board of the Chemical Heritage Foundation, and the board of the Council for Competitiveness. He is co-chair of the commission to reform science education in Delaware public schools.

Mr. Taradasky has been in the computer industry for more than 23 years, working at Apple Computer, Inc., since 1989 and at IBM Corporation from 1970 to 1988. Since 1993 he has been vice president and general manager for Apple's Business Systems Division. He was named in 1990 as one of the top 10 leaders in Silicon Valley for his accomplishments at IBM.

A 1970 magna cum laude graduate with a bachelor's degree in mathematics, Mr. Taradasky is a member of the Pi Mu Epsilon Mathematics honor society, a member of the Phi Beta Kappa academic honor society, and a recipient of the Evan Pugh Award in recognition for his outstanding academic achievements in mathematics.

Mr. Taradasky is a member of the President's Cabinet at the California Polytechnic Institute at San Luis Obispo, a member of the board of directors at RAE Technologies, and member of the Stanford University Library Council.

## Two Alumni Fellows from Agricultural Sciences make visit

Two distinguished graduates of the College of Agricultural Sciences visited University Park this month as Alumni Fellows. Robert Baker and Bruce Stillings were honored at the Alumni Fellows reception on Sept. 22.

Dr. Baker earned his M.S. in agricultural economics from Penn State in 1949. That year, he was appointed assistant professor of poultry extension at Cornell University. In 1956, he earned his Ph.D. in food science from Purdue and became a professor of food science at Cornell. He retired in 1989 with emeritus status.

Dr. Baker's research and test-marketing techniques have made Cornell an international leader in food-product development. Known as the "Edison of the Poultry Industry," he is widely recognized for developing 58 new poultry and egg products and 28 new fish products. His research on the binding characteristics of poultry meat led to the development of



Robert Baker

Bruce Stillings

popular convenience foods such as chicken nuggets, chicken and turkey hot dogs and turkey ham. He

has received numerous awards for his work.

Dr. Stillings received his M.S. in nutrition in 1960 and his Ph.D. in nutrition in 1963, both from Penn State. He is senior vice president of scientific affairs for the National Confectioners Association, the Chocolate Manufacturers Association and the American Cocoa Research Institute.

Dr. Stillings has held leadership positions in both government and industry. In 1992 and 1993, he served as deputy assistant secretary of agriculture for science and education. Before that he was vice president of research and development and quality assurance at Reckitt and Colman Inc./Durkee-French Foods Division. From 1974 to 1989, he was vice president of technology development and research and development at Nabisco Foods, Inc.

Dr. Stillings was the national chair of the Nutrition Division and currently serves on the Executive Committee of the Institute of Food Technologists.

## Private Giving

# Eberly Foundation provides \$1 million for nursing professorships

The Robert E. Eberly Foundation of Uniontown has committed \$1 million to endow two Elouise Ross Eberly Professorships in the School of Nursing. The school enrolls nearly 800 students statewide, including those in the newly inaugurated associate degree in nursing program at the Penn State Fayette Campus, where one of the professorships will be located.

The endowments will strengthen the nursing program at a time when health care reforms are likely to increase educational requirements for nurses at all levels, according to Frieda Holt, the school's director whose gift was announced.

"These reforms promise to give nurses a more important role than ever in our nation's system of health care," she said, "which means that we have got to do a better job of preparing them for the increased responsibilities that they will have. These professorships are critically needed resources that will support further development of the school."

The new professorships will be named in honor of Elouise Ross Eberly, a graduate of Uniontown Hospital's registered nurse program, former trustee of

Uniontown Hospital, and wife of foundation president Robert Eberly. She is a member of the board of visitors—a policy advisory group—at Hershey Medical Center, and served on a volunteer committee that two years ago led a successful campaign to raise more than \$10 million in private gifts for a new biomedical research building at the Medical Center. She also is an honorary alumna of Penn State.

Robert Eberly, a 1939 Penn State graduate, is president of Eberly and Meade, an oil and natural gas exploration and production firm. He is well known for his philanthropic activities in southwestern Pennsylvania, and he and his family have made numerous gifts to Penn State. He is treasurer of the National Development Council, the University's top fund-raising body.

"Bob and Elouise Eberly have left a lasting imprint on Penn State in so many ways," noted President Thomas. "We are especially pleased to name the endowed professorships in honor of Elouise Ross Eberly, who has been a key supporter of our health and medical education programs."

Dr. Holt noted that the Eberly professorships will support new initiatives in distance education, nurse practitioners, rural health and outreach programs.

"Many nursing programs educate students almost exclusively in a metropolitan hospital setting," she said. "Penn State's School of Nursing is fortunate in that its students have clinicals at the Hershey Medical Center and classes at the University Park Campus, as well as clinicals in public school, long-term care and community settings."

The School of Nursing offers associate, baccalaureate and master's degrees in nursing. The associate degree curriculum at the Fayette Campus began when the Uniontown Hospital School of Nursing transferred its program to the campus. The program will be housed in a \$4.4 million biomedical technology center soon to be under construction.

Income from the endowments could be used for salary supplements, research and professional travel expenses, graduate assistant stipends, and other purposes related to the scholarly program of the professors.



## News in Brief

### Seasonal reminder

With colder weather upon us, maintenance crews will be making the transition from the air conditioning season to the heating season. This involves the shutting down of the large air conditioning systems for those buildings which have no requirements for air conditioning during the winter months.

Beginning Oct. 17, heat will be turned on for academic and administrative buildings. Please notify your facilities coordinator if you request the heat turned on before this date. The service desk will only take requests from facilities coordinators. Please be aware if weather conditions change and you would like the heat turned off, there will be a department charge for this service. Thank you for your cooperation.

### Faculty funding opportunity

Faculty proposals for interdisciplinary teams of three to four students working on innovative research or development projects are sought by STR. Stimulating Interdisciplinary Research and Development. Up to \$2,000 per student will be provided for student support or travel, computer time, and supplies and materials. Approximately \$40,000 is available to fund five to six projects for STR. This is a project of the Pennsylvania Space Grant Consortium and the Science, Technology and Society Program. The application deadline is Oct. 24. For application information, contact the Pennsylvania Space Grant Consortium at 863-7688 or the Science, Technology, and Society Program at 865-9951.

### New rDNA guidelines

The Office of Regulatory Compliance now has the newest version of the Guidelines for Research Involving Recombinant DNA Molecules.

If you would like to receive a copy of these guidelines, please call 844-865-1775.

### Compliance seminars

The Office of Regulatory Compliance will be providing basic and special topic seminars once a semester. The basic seminar is a 90-minute orientation program about animal care and use. The special seminar will address more specific topics such as Zoonotic Diseases and Anesthesia. Both of these seminars are designed for all University personnel who are involved in animal research. For more information, call Candice Yekel at 865-1775.

### Xerox Awards Day

Leonard Brillson, research head of the Advanced Components Laboratory at the Joseph C. Wilson Center for Research and Technology, Xerox Corporation, will present a seminar on "The Changing Roles of Researchers in Industry" at 11 a.m. Wednesday, Oct. 12, during the 19th Annual Xerox Awards Day at the Materials Research Laboratory at University Park.

Global competition in the marketplace has altered traditional roles of researchers in industry and opened new career opportunities, including new opportunities. Dr. Brillson will discuss both the challenges facing researchers and the skills and knowledge required for success in this new environment.

During the afternoon, Ph.D. and master's degree students who have won awards will give brief presentations on their research.

### NASA grant

Victor Sparrow, assistant professor of acoustics, is the principal investigator for a three-year, \$161,000 grant from NASA Langley Research Center, "Sonic Boom Noise Penetration into the Ocean." He will study the penetration of

sonic boom noise due to supersonic passenger aircraft through realistic ocean surfaces. The research will yield predictions for the environmental noise impact of sonic booms on marine animals, according to the researcher.

Dr. Sparrow is graduate officer for the Graduate Program in Acoustics and group leader of the Center for Acoustics and Vibration Propagation and Radiation Group.

### ARL Workshop

The Applied Research Laboratory will hold a workshop with industry and government representatives Oct. 11 and 12 at the Penn State Scanticon. The workshop will focus on the electron beam—physical vapor deposition facility being installed at the new MRI Building in the Penn State Research Park.

Interested faculty members may attend free of charge by calling C. Brickell at 863-9900.

### Volunteers sought

Male volunteers are needed to help test the effect of alcohol and weight training. Volunteers will receive monetary compensation, free food, and personal information from the testing.

You may be eligible if you are 21 to 34 years old, in good health, a low or moderate alcohol consumer, presently weight training, motivated and committed, available from mid-afternoon until the end of the evening on one day of the week or weekend during the next month. Also, you should not be taking any medication or drugs, not attempting to lose body weight, not using tobacco products, and do not mind having several blood draws from a forearm vein.

If you meet the criteria and would like more information, call the Center for Sports Medicine at 865-7109.

## BOOK SHELF

*Aerodynamics, Aeronautics, and Flight Mechanics*, a classic engineering text and reference book, written by Barnes W. McCormick, professor emeritus of aerospace engineering, has been published by John Wiley & Sons, Inc., in a revised second edition.

Features of the revised edition are a new chapter on helicopter and V/STOL aircraft; material on stealth airplanes and delta wings; and computer exercises for each chapter.

Applied as well as analytical in nature, the text/reference book covers all aspects of aerodynamics, aeronautics and flight mechanics for students, faculty and engineers in the field. A sampling of topics includes aerodynamics, propulsion, performance, stability, control. Dr. McCormick also presents derivations necessary to understand basic principles, going on to apply the material to specific examples.

The pervasive integration of concepts is a hallmark of the publication. For example, in three chapters the author offers an integrated presentation of static, dynamic and automatic stability and control that could form the basis of a complete course on stability and control.

A companion computer disk with programs written by the author also is available.

A volume of essays in honor of Robert Worth Frank Jr., professor emeritus of English literature and former English Department head at Penn State, has been written by a distinguished group of scholars in medieval English literature and edited by Robert R. Edwards, professor of English and comparative literature.

Dr. Frank, a past president of the New Chaucer Society, had edited *Chaucer Review* for nearly 30 years. He is author of the first book-length study of "The Legend of Good Women," a Chaucer poem, and an important study of Langland's poem "Piers Plowman."

Robert Secor, head of the English Department, said the essays reflect Dr. Frank's lifelong interest in the late medieval poetry. "As Bob's writing and teaching have done for many years," he said, "these essays illuminate the ways that English writers at the end of the middle ages created narratives that still engage us."

Dr. Edwards, who edited the essays, said that Dr. Frank's "Piers Plowman" and the Scheme of Salvation" has "taught several generations of scholars how to read the subtle play of aesthetic and historical context in Langland's great poem" and that his "Chaucer and The Legend of Good Women" has "defined the fundamental terms by which subsequent readers have approached this anomalous and fascinating poem."

Dr. Edwards also said that Dr. Frank's editorship of the *Chaucer Review* has "made the journal an international forum for scholarly and critical exchange," and that his encouragement, learning, and wisdom have benefited many scholars.

The book of essays, *Art and Context in Late Medieval English Narrative*, was published this year by D.S. Brewer, Cambridge.

## Parting

## CES employee ends 24-year service to University

Herbert Grossman has retired from the Commonwealth Educational System after 24 years of service.

Dr. Grossman received his baccalaureate degree from Temple University and two master's and a doctorate in biology and botany from Penn State. He entered academia in 1970, and taught for 14 years at Fayette Campus, where he was promoted to associate professor.

In 1984, Dr. Grossman came to University Park on sabbatical and remained as a guest in the Plant Breeding section of the Horticulture Department. While

there, he worked with graduate students, audited horticulture courses and taught for Independent Learning, Horticulture, Continuing Education and Biology. He also participated in cooperative research with colleagues.

Before retiring, Dr. Grossman taught biology for one year at the Penn State Berks Campus. He presently lives in State College with his wife and younger son.

## New Flooring May Cushion Elderly Against Falls

*Collaborative project yields floor that "gives" to reduce the impact by as much as 40 percent*

University researchers have developed a kind of flooring that could dramatically limit fall-related injuries in older adults.

The flooring—developed by a mechanical engineer collaborating with an expert in human movement—is firm enough to withstand ordinary walking, but when a person falls on it, it temporarily "gives," buckling slightly to break the fall. Testing so far indicates that the floor can reduce the impact of a fall by as much as 40 percent.

"If you landed on your hip, the flooring would actually tend to wrap around the hip," Donald Streit, associate professor of mechanical engineering and director of the research, said. "It conforms to the part of the body that impacts it."

Penn State has applied for a patent for the flooring system, which grew out of research by Dr. Streit and a colleague in the College of Health and Human Development—Peter Cavanagh, distinguished professor of locomotion studies, biobehavioral health, medicine, and orthopedics.

The researchers presented two papers on the new flooring at a recent conference on Injury Prevention Through Biomechanics, sponsored by the Centers for Disease Control and Prevention.

Falls are the most common non-transportation-related accident among older adults, according to the National Research Council. The U.S. Department of Health and Human Services estimates that one-third of all people over age 65 fall at least once a year, with the annual cost of medical care for hip fractures (the most common fall-related injury) estimated at \$7 billion.

Attempts to design solutions have produced such ideas as overhead harnesses, special padding for older adults to wear on their hips, and thick matting used as a floor covering—solutions that the University researchers say would be impractical.

The Penn State design involves two layers of flooring, separated by small columns, each an inch high. The flooring layers and the columns are made of a urethane elastomer, a highly elastic material. The floor is designed to withstand someone walking on it or rolling something heavy (such as a wheelchair or hospital bed) across it. Yet when someone falls on it, the columns between the layers buckle momentarily, absorbing the impact.

Once the person gets up and walks away, the columns regain their shape and the flooring becomes level again within a few minutes. "The floor is elastic," Dr. Streit said. "It pops back."

The research team (which includes mechanical engineering graduate students Joseph Casalema and Askari Badre Alam) developed several one-foot-square test sections of the flooring and dropped a heavy sphere—about the size and weight of a bowling ball—onto them. An accelerometer attached to the ball showed that the force of the impact was 60 percent less than the impact of the ball hitting a concrete floor or a piece of urethane sheeting. The researchers estimate that the reduction in impact for a human hip would be smaller, about 40 percent.

The researchers also conducted computer simulations to model the effect of a 150-pound person landing on the floor. They then mounted a life-size, instrumented model of a human hip onto a fatigue tester and thrust it against the flooring at various angles, while a sensor attached to the hip model measured the force of the impact.

Next they plan to conduct similar tests with a full-size model of a human body—the same kind of crash-test dummy used in automobile testing.

The researchers also plan to install test sections of the flooring in two double-occupancy rooms and a hallway in a 225-bed central Pennsylvania nursing home.

"In that facility, which is a fairly typical nursing home, older adults fall about 31 times a month," Dr. Cavanagh said. "About once every other month someone fractures a hip." Of those who fell, almost 60 percent fell more than once in an eight-month period, and a few fell as many as 14 times.

Dr. Streit estimates that the flooring could be commercially available within two years. Because it is more expensive than ordinary flooring (about \$7 to \$10 dollars a square foot), he expects it to be more common in long-term care facilities than private homes.

Nursing home administrators would not need to install the flooring throughout the entire facility, however.

"You can screen your patient population to identify those greater risk for falls, and have them live on a 'falls wing' where the flooring is installed," Dr. Streit said. "Then the cost-effectiveness, in

terms of prevention of injury and medical costs, can go up significantly."

The Penn State research is funded by the Center for Environmental Health and Injury Control, a part of the federal Centers for Disease Control and Prevention. The Penn State Gerontology Center also provided some initial funding for the work.

—Tina M. Hay

At right, Donald Streit, associate professor of mechanical engineering, and Joseph Casalema, graduate assistant, look at a cross-section of the flooring. Below, Peter Cavanagh, distinguished professor of locomotion studies, tests the flooring by applying pressure.

Photos: Greg Grieco



# ATHLETICS

A regular column provided by Intercollegiate Athletics

## Administrators honored

Two senior Penn State athletic administrators — associate athletic directors **Ellen Perry** and **Herb Schmidt** — have received recent honors.

Ms. Perry, a member of the athletic staff since 1966, was selected District II "Administrator-of-the-Year" by the National Association of Collegiate Women Athletic Administrators. A key figure in Penn State's integration into the Big Ten Conference, Ms. Perry has been the University's primary administrator for the women's lacrosse team for six seasons. A 1963 graduate of Tufts University, she was assistant athletic director from 1981-89.

Mr. Schmidt was a unanimous selection for the inaugural class of the Rutgers University Olympic Sports Hall of Fame. A 1962 Rutgers graduate, he is one of 16 former student athletes and the only soccer player who will be inducted into the Hall of Fame on Nov. 5. A two-time All-America, Mr. Schmidt is one of the most prolific scorers in NCAA history with 51 career goals. From 1968-73, he led the Nittany Lion soccer team to 38 victories in 67 games and four NCAA Tournament appearances as head coach. He left the sidelines for an administrative career in 1974, was named director of athletic operations in 1981 and associate athletic director in 1986.

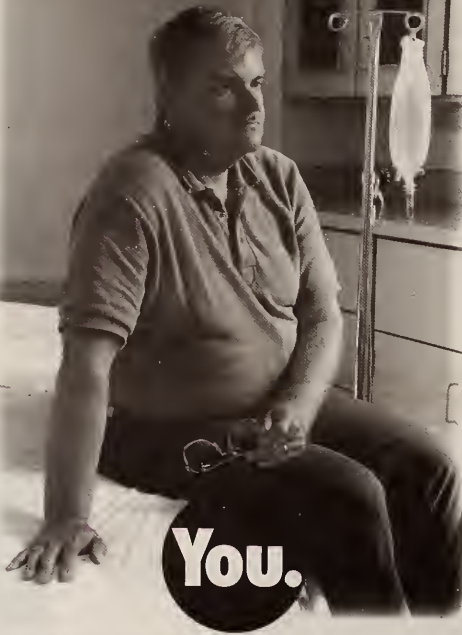
## Women's volleyball, field hockey

Penn State's defending Big Ten champion women's volleyball and field hockey teams have key contests against conference opponents the weekend of Oct. 7-8. Coach **Russ Rose's** Lady Lion volleyball team entertains Michigan State on Friday, Oct. 7, and Michigan on Saturday, Oct. 8. The field hockey team plays **Iowa** in a night game at 7:30 p.m. Friday, Oct. 7, and is home to Northwestern at noon Sunday, Oct. 9, at noon.

## Nittany Lion Notes

Senior **Jill Pearsall** of Lansdowne, Pa., recently was selected as Big Ten field hockey Player-of-the-Week. Her penalty stroke in overtime lifted the Lady Lions to a 1-1 win over nationally-ranked Ohio State. **Gavin Reid**, co-captain of last year's Big Ten champion soccer team received his Big Ten Medal of Honor prior to the Nittany Lions' game with Indiana. He won the medal in recognition of his brilliant athletic and academic career. Interested Penn State cage fans can have their names added to the basketball waiting list for tickets to home men's and women's games when the Bryce Jordan Center opens in 1995 by writing to the Athletic Ticket Office, 1 Beaver Stadium, University Park, PA 16802.

With  
your generous support, together we are making  
a difference. We can make it work with...



When Ron needed lifesaving blood transfusions during a long hospital stay, the American Red Cross Centre Communities Chapter was there. And so was the United Way. The money you give makes a difference for your Centre County neighbors. Please give. With you, we can make it work.



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## PENNSTATE INTERCOM

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## Pulling it all together



The new Student Services Center in the College of Health and Human Development at University Park was designed to better serve students. Located near the main entrance of Henderson Building, the center brings together three units that were previously dispersed throughout the college. Those curious can view the new center at an open house from noon to 2 p.m. tomorrow in 101 Henderson. (See story on page 9).

Photo: Greg Grieco

## Associate dean tapped for position as head of college

Barbara M. Shannon, associate dean of the Graduate School, has been offered the position of dean of the College of Health and Human Development, effective Jan. 1, 1995, President Thomas announced.

Her appointment is subject to approval by the University's Board of Trustees at its meeting on Friday, Nov. 18.

Dr. Shannon joined the University faculty in 1971 as an assistant professor of nutrition and was promoted to full professor in 1983. She was named distinguished professor of nutrition in 1990 and became associate dean of the graduate school in 1991.

She is recognized nationally and internationally as a leader in nutritional research, and she has been a successful Penn State administrator. "I look forward to the opportunity to work with her in advancing the achievements of the faculty, staff and students in our College of Health and Human Development," Dr. Thomas said.



Barbara M. Shannon

Dr. Shannon received a B.S. from the University of Tennessee, an M.S. from the University of Illinois, and a Ph.D. from Purdue.

## Pennsylvania Transportation Institute unit snags its largest contract to date

The Pennsylvania Department of Transportation and the Federal Highway Administration have awarded a \$5 million contract to LTAP, the Pennsylvania Local Roads Program, a technology transfer center within the Pennsylvania Transportation Institute at University Park. The contract, the program's largest to date, will be administered over the next five years.

"The main focus of LTAP is to transfer technology from federal, state, and university levels to counties, townships, boroughs, or any government organization under the state level that is responsible for highways, bridges, and transportation," Walter P. Kilareski, professor of civil engineering and chief administrator of LTAP, said.

"Because many local governments in Pennsylvania are small, they don't have professional engineers on their staff to offer guidance or answer technical questions. LTAP is a source that local governments can tap into when they need help."

Founded by the federal government in 1981 as one of 10 local technical assistance programs in the

nation (today there are LTAP centers in each state and Puerto Rico), LTAP helps local governments build, repair, and maintain nearly 70 thousand miles of roads in rural and urban Pennsylvania. Local governments often have limited funds, so all of LTAP's services are free of charge to municipalities. In addition to filling requests for publications and producing a quarterly newsletter that focuses on relevant transportation issues, LTAP offers one-on-one consultations as well as on-site workshops and conferences.

"A big part of our program consists of classroom training," Dr. Kilareski said. "In a given year, we conduct several hundred workshops and seminars across the state and provide training to 3,000 or more government officials and employees. We cover everything from pothole repair, to how to prepare for winter maintenance, to how to manage a database."

Currently, LTAP has four engineers who trav-

## Award nominations sought for April 1995 ceremony in Eisenhower

Nominations are being sought for the 1995 Atherton, Eisenhower, and Alumni Teaching Fellow Teaching Awards, to be presented at the Awards Convocation in April 1995.

The George W. Atherton Award for Excellence in Teaching is to recognize excellence in teaching performance in the undergraduate program of the University. Up to four awards will be presented. To be eligible for nominations, a faculty member must have been a full-time member of the University faculty for a minimum of three years; have undergraduate teaching as a major portion of her or his assigned duties; have the rank of assistant professor, associate professor, or professor.

The Milton S. Eisenhower Award for Distinguished Teaching is given in recognition of distinguished teaching at the University. Up to two awards will be presented. To be eligible for nomination, a faculty member must be a tenured member of the faculty; have been employed as a full-time University faculty member for at least five years; have under-

See "Transportation" on page 3

See "Nominations" on page 3

## DIVERSITY

# WISE women urged to change campus climate

"We have the scholarship that can back up your studies, reinforce your requests and help solve your problems," Londa Schiebinger, professor of history and women's studies, told members of the Women in Science and Engineering Network at their first meeting on Friday, Sept. 30.

Dr. Schiebinger, who is director of the newly formed WISE Institute, charged members to communicate — with other network members, with colleagues and with administrators — so that the obstacles that currently exist for women in the sciences, engineering and technology on the undergraduate, graduate and faculty levels can be overcome.

"We have formed this institute and this network with the hope that in the future there will be no need for this structure," she said. "Our hope is that these problems will disappear."

The WISE Network is a part of the WISE Institute, which is the culmination of work begun in 1992 during a Committee on Institutional Cooperation conference on Women in Science and Engineering at Indiana University. The institute's goal is to increase the number of women in the sciences and engineering and improve the working climate.

To that end, the WISE Network, chaired by Mary Jane Irwin, professor of computer science and engineering, and consisting of 65 members and 16 ex-officio members from across the University, will serve as a set of ambassadors for WISE activities, projects and research. The network will meet formally once each semester.

Sharon Luck, associate director of the WISE Institute, reminded network members that if they notice a

problem, someone else somewhere probably has already encountered a similar problem and might have solutions to offer. The institute has a library and resources to help find solutions and support changes.

## ***"We must ensure that women's names appear on the lists for major positions at the University."***

Londa Schiebinger  
director, WISE Institute

Unlike other efforts to increase the numbers of women in science and engineering, the WISE Institute combines research about and intervention programs for women in the sciences and engineering. "Dr. Schiebinger hopes that scholarly research can feed into the practical solutions that will increase the numbers and status of women in the sciences and engineering."

As ambassadors, she suggested that network members look at the various aspects of university life and promote women.

"Network members should see that sponsored events are gender balanced," she said. "Speakers in a lecture series should represent at least the proportions of women in that profession."

She noted that many divisions within the Nation-

al Science Foundation will no longer fund events or conferences that do not meet this requirement.

"Changing the climate on campus from one that is chilly toward women, to one that accepts and encourages women in the sciences and engineering is not easy," she said. "It is incumbent upon network members that they garner grassroots support and participation."

Members need to set up mentoring programs, promote women and see that they are nominated for positions on committees and for professional honors and awards.

"We must ensure that women's names appear on the lists for major positions at the university," Dr. Schiebinger said. "Often, we are told that qualified women do not exist, but NSF statistics show that women are unemployed and underemployed in science and engineering."

"Women should be on the hiring committees and on tenure and promotion committees so that issues that affect women, such as the differential between men and women in teaching evaluations, will be brought out and considered."

"Increasing the numbers of senior women would go far to ensure suitable role models and mentors for women students and junior faculty. However, enough senior women need to be hired so that no woman becomes overburdened, especially if she is the only senior woman in her department or unit."

The WISE Institute is housed in 510 Classroom Building, University Park, (814)865-3342.

—Andrea Elyse Messer

## Minority cable executives to visit University Park

More than 30 young minority cable television executives have been invited to visit University Park Oct. 16 to 20 to participate in the Walter Kaitz Foundation Orientation Program.

The Kaitz Foundation will bring the group, who have diverse professional backgrounds, to Penn State for four intensive days of sessions on the cable television industry. Richard Taylor, Palmer Professor of telecommunications studies and law, said.

The Kaitz Fellows Program was started in 1981 when a group of cable industry leaders decided to establish a living memorial to Walter Kaitz, a cable television pioneer. The founders realized that for cable television companies to successfully compete, they must build a strong, diverse work force reflective of the communities they serve. Hundreds of individuals apply annually to the Walter Kaitz Cable Management Program and about 10 percent of the applicants make it through the comprehensive interview process.

There is strong competition to recruit successful minority managers from other professions, including law, accounting and business," Dr. Taylor said. This is the fourth year the program has

been hosted by Penn State.

Penn State's program is designed to supplement companies' on-the-job training. Both ensure that the Fellows have the necessary cable background to excel in their new careers. In four intensive days of sessions, the Fellows are introduced to cable history, regulation, management, marketing, customer service, cable technology and community relations.

Speakers from Penn State include, Dean Brooks; E. Stratford Smith, Cable Pioneers Professor of cable communications; Dr. Taylor and James Stewart, vice provost for educational equity.

Guest speakers, among others, include Jack P. Cole Jr., founder of Cole, Raywid & Braverman; Wanda Townsend, director of government relations, National Cable Television Association (NCTA); Paul Freas, president, TKR Cable; Paula D. Winn, president, the Walter Kaitz Foundation; Scott Bachman, vice president of technical operations, Cable TV Laboratories; William Harrell, chief financial officer and vice president of external affairs, Bell Atlantic of Pennsylvania; and William Payne, technical manager of visual multimedia communications, AT&T.

## Diversity Brief

The Center for Adult Learner Services and the Center for Women Students are co-sponsoring a program titled "Chilly Classroom Climate," presented by Sabrina Chapman at noon Wednesday, Oct. 19, in 120 Bouck Building at University Park.

The program will focus on the ways a classroom environment affects women students, and a discussion of what's meant by a "chilly" classroom climate.

If you are interested in attending or would like more information, please contact the Center for Adult Learner Services at 863-3887 or stop by 323 Bouck.

## Faculty Senate Agenda

The University Faculty Senate will meet on Oct. 25, at 1:45 p.m. at The Hershey Medical Center.

Items to be discussed:

- Faculty affairs - Discussion of recommendations from the Joint Committee to Review Promotion and Tenure Procedures (forensic).
- Report from the University Presidential Search and Screen Committee (informational).
- An interim report from the dean of Libraries (informational).
- Grade distribution report (informational).

Members of the University community are invited to attend this and all meetings of the University Faculty Senate.

## Carpooler

Looking for a ride from Phillipsburg area to University Park. Work hours are 8 a.m. to 5 p.m. Call Lori at 863-4670.

## Leave of Absence

Sophia T. Wisniewska, director of Graduate Program Administration, Penn State Great Valley, to serve as a guest scholar and conduct research in the Department of Russian at Bryn Mawr College.

## Presidential Search

**T**he Pennsylvania State University invites applications and nominations for the position of President. The corporate authority for the management and governance of the University is vested by charter in the Board of Trustees. The President serves as the chief executive and educational officer of the University and is responsible to the Board of Trustees.

Penn State is Pennsylvania's land-grant university dedicated to providing comprehensive programs in instruction, research, and public service. The University has a full-time faculty of approximately 4,100 and a student enrollment of approximately 69,000, of which 38,000 are enrolled at the University Park Campus. An additional 31,000 students are enrolled at the University's twenty-two other campus locations, including The Milton S. Eisenhower Medical Center. The current annual operating budget is \$1.5 billion.

Candidates for this position should have a broad understanding of academic institutions; executive experience, academic credentials, and proven leadership capacity; understanding and support for Penn State's multiple missions and its commitment to cultural diversity; strong interpersonal and communication skills; evidence of experience in fiscal management, and ability to attract human and financial resources to the University.

The position will be available September 1, 1995.

The Search and Screen Committee will review applications and nominations beginning immediately, and will continue to receive them until a candidate is selected. Nominations and applications, accompanied by a resume, should be mailed to:

Eva Pell  
Chair  
Presidential Search and Screen Committee  
The Pennsylvania State University  
205 Old Main, Box 1  
University Park, Pennsylvania 16802

An Affirmative Action Equal Opportunity Employer.  
Women and Minorities Encouraged to Apply.

## Nominations

continued from page 1

graduate teaching as a major portion of her or his assignment. Members of a research staff, administrators (including department heads), and those who are predominantly teachers of graduate students are not eligible.

The Alumni Teaching Fellow Award has been established jointly by the Alumni Association, the Undergraduate Student Government and the Graduate Student Association. The award honors outstanding teaching while providing encouragement and incentive for teaching excellence at Penn State. One award will be presented.

Recipients of the Alumni Teaching Fellow Award are expected to share their talents and expertise with others throughout the University system. Year-long responsibilities may include such activities as participating in workshops and symposia, giving lectures or presentations on teaching techniques for new faculty and graduate assistants, taking part in discussions or seminars with students in the University Scholars Program, and teaching honors courses. To be eligible for nomination, a faculty member must be full-time, with a minimum of three years teaching experience. Evaluations will be based on demonstrated excellence and lasting impact in the following areas: scholarly teaching, academic advising and overall career guidance, and enthusiasm and commitment.

Deadline for nominations is Oct. 26. For further information and nomination forms, contact the Office of Undergraduate Education, 417 Old Main, University Park or call 863-1864.

## Transportation

continued from page 1

el throughout Pennsylvania presenting "roadshows" on highway maintenance, safety issues, and traffic operations. LTAP's training activities also include the Roads Scholar I and II programs for maintenance crew workers and managers/supervisors. Upon completion of required courses for each program, individuals receive a certificate and are named "Roads Scholars."

"There are about 2,600 local governments in Pennsylvania," Dr. Kilareski noted. "If you look at the entire transportation system, you discover that local governments own more miles of roadway than the state, but they have less expertise, training, and knowledge about roadway maintenance."

**For every \$1 this local technical assistance program spends, it saves local governments \$10.**

nance. LTAP is attempting to provide them with the technical tools they need. By doing things the right way, local governments not only save money, they also save lives."

According to LTAP surveys, the program averages a 10 to 1 ratio in cost savings—for every \$1 LTAP spends, it saves local governments \$10. Because LTAP's reputation for providing expert advice and knowledge has spread throughout the state, the program's training sessions are scheduled for months in advance and each engineer can expect to travel 30,000 miles to 40,000 miles across the Commonwealth per year.

Dr. Kilareski said that LTAP engineers may soon be able to cover even more miles throughout Pennsylvania without adding to their travel time.

"We plan to use part of the \$5 million to expand into telecommunications and distance education. By offering conferences and workshops via satellite and (compressed video) to other areas, we can increase our technology transfer efforts and go a few steps further in helping more local governments improve their transportation systems."

—Janice Ferguson

## Faculty/Staff Alert

### Faculty/Staff Health Promotion

Do you want to be supermarket savvy and learn practical skills to prepare heart healthy meals for you and your family? If so, then two Heart at Work programs jointly offered by Faculty/Staff Health Promotion and the American Heart Association are just the thing for you. Learn Tour and then take them home to be able to prepare tasty meals, including desserts, that are low in fat, calories and cholesterol after attending Culinary Hearts Kitchen.

The Cart Smart Shopping Tour costs \$5 and Culinary Hearts Kitchen is \$40. Both are reimbursable for HMO participants. Register today for one of the following sections:

**Cart Smart Shopping Tour Cost: \$5**

Oct. 11	Tuesday	4:30-5:45 p.m.
Oct. 18	Tuesday	4:30-5:45 p.m.

BiLo, 1659 N. Atherton St., State College.

**Culinary Hearts Kitchen**

**Cost: \$40**

Oct. 29-Nov. 29 Tuesdays

223 Henderson Building

4-6 p.m.

To register, complete the registration form in the Health Happenings brochure or HRDC catalog or call Jan Hawbaker at 5-3085 or e-mail JQH3@psuadmin, JQH3@oas.psu.edu.



LEADERSHIP PROFILE



Karen Wiley Sandler, CEO of Penn State Ogontz Campus,

IT TOOK JUST TWO WEEKS AS A GRADUATE ASSISTANT IN PENN STATE'S FRENCH DEPARTMENT TO CONVINCE KAREN WILEY SANDLER THAT SHE WANTED TO BE A TEACHER FOR THE REST OF HER LIFE.

That was in 1965, and even though today she would be classified officially as a full-time administrator, Ogontz's new CEO still considers herself a teacher.

"I've always managed to keep a foot in the classroom no matter how many other responsibilities I've had," Dr. Sandler says. "While I probably won't have time to teach during my first year at Ogontz, I certainly hope to once I've settled in."

"For me, teaching is the reason why we're all here. It's my safety net. Going back to the classroom helps me put my priorities in order."

"I also think it's an important way for an administrator to gain an understanding of some of the problems with which faculty have to deal. Are they being expected to teach in rooms where the blinds don't work, where the pipes rattle, or the windows are stuck fast? At Juniata, I found that squeaky chairs were distracting students during my lectures. Correcting small irritants such as these can be important in raising faculty morale and improving the learning environment."

Dr. Sandler gives Penn State full credit for helping her decide on a career.

"I attended Principia College in Illinois," she recalls. "and while I knew I was eager to continue my education, I really didn't have any specific goals. My adviser suggested applying for an assistantship to finance my graduate studies, and since I wanted to return to Pennsylvania—I'm a native of Delaware County—I wrote to Penn State."

"What followed was the best year I've ever had in education. The faculty provided wonderful supervision, and they taught me how to teach. When I finished my M.A. in 1965, I experimented with substituting at a secondary school but concluded that I preferred college-level instruction and research."

Dr. Sandler moved on to another graduate assistantship, this time at the University of Pennsylvania, where she conducted research in Renaissance literature. Her doctorate in romance languages was conferred in 1972, by which time she was already serving as an instructor at the University of Vermont.

In addition to writing many articles and papers, she is the co-author of *Tour de Grammaire: A Study Guide for French Grammar*.

She has contributed chapters to *Writing Across the Curriculum: A Guide to Developing Programs, A Community of Voices, and Ambiguous Realities: Images*

## KAREN WILEY SANDLER

### PRIORITIES FOR NEW CEO COME FROM TEACHING BACKGROUND

"FOR ME, TEACHING IS THE REASON WHY WE'RE ALL HERE."

*of Women in the Middle Ages and Renaissance.*

It was during her 16-year tenure in Burlington that her "second academic bug" bit, and she discovered an interest in administration.

She gained an overview of some of the challenges awaiting her in that role while serving as a special assistant to the dean of Vermont's College of Arts and Sciences and then as an acting assistant dean and director of student affairs.

As a member of the board of the Vermont Foreign Language Teachers Association, she had a statewide vantage point from which to view such academic "hot button" issues as curriculum internationalization, diversity and downsizing.

Gettysburg College offered her the opportunity in 1988 to move up the administrative ranks, first as assistant and then as associate provost. In 1989, Juniata College named her its vice president and dean of academic affairs, the position she held before being tapped by Ogontz last spring.

"I was able to teach part-time at both Gettysburg and Juniata," she says, "and I also had advisees. As an administrator I'm particularly interested in student academic support issues and instructional development, and, by extension, in faculty and curriculum development."

Dr. Sandler's first act on being named Ogontz CEO was to send a letter to all members of the faculty and staff asking them to tell her frankly what they thought she should know about the campus and what kind of place they thought Ogontz should be. She is now following up her written questionnaire with personal visits.

"I think it's very important for a newly-appointed leader to be in a listening rather than a talking mode."

she says. "What I've learned thus far is that most people agree that Ogontz should be a place where students succeed. They may define success differently, but they are overwhelmingly concerned about the students' welfare."

Although Ogontz is located only 12 miles north of Center City Philadelphia, its students enjoy a wooded, suburban campus. The site originally belonged to the Ogontz School for Women, once one of the best known girls' finishing schools in the country.

The unusual name derives from an Indian chief of the Wyandotte tribe, a boyhood friend of the prominent Civil War financier Jay Cooke, who rented his famous estate, "Ogontz," to the School for Women. In 1916 the school moved from that estate to Penn State's present site, which was deeded to the University in 1950.

"We inherited some beautiful old stone buildings," Dr. Sandler says, "and while we are determined to preserve them, it became quite apparent to me last summer that renovations are necessary. We had students and faculty trying to work in classrooms that reached temperatures of over 100 degrees."

Dr. Sandler's own summer retreat is a family island off the Maine coast.

"You have to take a boat to get there," she notes, "and my mother is the only person on the island. It's quite primitive. We have no electricity or running water. It's a wonderful place to work or to relax."

In her spare moments, Dr. Sandler enjoys writing and publishing poetry, and she has also written a novel. Her husband, Peter, is a freelance editor, and the couple share the care of "a very good-natured" Shetland Sheepdog.

PENN STATE





# LECTURES

## Nieman Foundation curator to give Mellett Lecture on Oct. 27

Bill Kovach, curator of the Nieman Foundation for Journalism at Harvard University and publisher of *Nieman Reports*, will deliver the Lowell Mellett Lecture on Thursday, Oct. 27, at the National Press Club in Washington, D.C. He will speak on "Focusing Our Values: Values for Journalists are Like the Stars to Sailors - We May Never Reach Out and Touch Them but We are Lost Without Them."

A reception for winners, judges, faculty and alumni will be held at 6 p.m., followed by the awards ceremony at 7 p.m. Penn State journalism alumnus Charles Bierbauer, CNN senior Washington correspondent, will serve as master of ceremonies.

Mr. Kovach was editor of the *Atlanta Journal and Constitution* from 1986 to 1988 and Washington bureau chief of *The New York Times* from 1978 to 1986. Before joining *The Times*, he was a reporter for six years with *The Nashville Tennessean* where he covered Appalachian poverty, the civil rights movement, and southern politics.

*Nieman Reports*, published by the Nieman Foundation at Harvard University, has been named the winner of the 1994 Mellett Award. Robert H. Phelps, editor of *Nieman Reports*, won the award for exemplary coverage of two single issues, health and religion coverage, by securing commentary from carefully selected journalists and topic experts. Mr. Phelps became editor of *Nieman Reports* in the fall of 1990 after nearly 20 years as an editor with *The New York Times* and 12 years as an editor with *The Boston Globe*.

Special citations were awarded to Kevin Barnhurst, associate professor of graphic arts at Syracuse University, for his book titled *Seeing the Newspaper*, and Helen Benedict, associate professor in the Graduate School of Journalism at Columbia University, for her book *Wired for War*.

The \$10,000 Mellett Award recognizes outstanding contributions to the improvement of print and broadcast journalism through responsible analysis or critical evaluation.

## President of ad agency to speak Oct. 20

Thomas McKinney, president of Rainbow Advertising Services (RASCO) in New York City, will deliver the 1994 Edward Foust Memorial Lecture at 4 p.m. Thursday, Oct. 20, in the Carnegie Cinema on the University Park Campus. The lecture, titled "The Reality and Vision of Cable TV Advertising," is jointly sponsored by the School of Communications and the National Cable Television Center.

Mr. McKinney has held many senior positions in the cable industry, primarily in the area of advertising. As president of RASCO, the largest spot cable television advertising sales organization in the United States, Mr. McKinney oversees the ad sales efforts of the Sports Channel Regional Networks, regional news network News 12 Long Island, spot rep firm Cable Networks Inc., and Cablevision Systems Corporation's cable systems around the country. Formerly, he served as president of the Cable Television Advertising Bureau (CAB).

One of the leading African-American members of the cable television industry, Mr. McKinney is a founder of the National Association of Minorities in Cable (NAMIC). He is the recipient of numerous awards.

## Penn's dean emeritus to talk about design

Sir Peter Shephard, dean emeritus of the University of Pennsylvania's Graduate School of Fine Arts, will present the second Bowers Program lecture at 7:30 p.m. Thursday, Oct. 20, in the Assembly Room of the Nittany Lion Inn at University Park. Well known as an architect, town planner and landscape architect, he will speak on "What is Design?"

An international practitioner, Sir Peter's practice has included work for many public authorities, including part of the Lansbury Neighborhoods for the Festival of Britain Housing Exhibition in 1951, and the Camden Scheme, which won the Ministry Housing Medal in 1968. He also has developed plans and buildings for several universities in England and Africa.

As a landscape architect, he designed major works in Britain and the United States. Knighted in 1980, he has served as president for the I.L.A. and the Royal Institute of British Architects. At Penn State, he was named the Bracken Fellow in 1992 and received the Bracken Fellowship Medal.

## Scanticon conference to feature 27 speakers on manufacturing

Successful businesses of the future will be those that keep abreast of new technologies and change. The 1994 Pennsylvania Manufacturing Conference and Industry Exhibit, at The Penn State Scanticon Conference Center Hotel on Thursday and Friday, Oct. 20-21, will feature presentations by 27 speakers about Pennsylvania manufacturing companies, federal funding programs, University research and technology transfer.

Through presentations, exhibits, and networking opportunities, this year's conference, "Teaming for Global Competitiveness," will explore the advantages of industry-led partnerships in terms relevant to corporate officers, managers, and engineers working for Pennsylvania manufacturing companies.

Topics include teaming with university researchers for technology needs and with suppliers, customers, and other organizations for expertise not already residing in the company; new manufacturing methods for the development of new products and processes; current environmental and health issues; and federal and state research and development funding sources.

The conference and industry exhibit are sponsored by Penn State Research and Technology Transfer Office, Pennsylvania Department of Commerce, Ben Franklin/IRC Partnership, Ben Franklin Technology Center of Central and Northern Pennsylvania, and Ben Franklin Technology Center of Southeastern Pennsylvania and cosponsored by Pennsylvania Small Business Development Centers (SBDC), US Small Business Administration (SBA), and PENNTAT, the Pennsylvania Technical Assistance Program.

The Industrial Research Office is providing a special registration rate for University faculty and staff. For more information and a registration form, contact Stephen McGregor, 119 Technology Center Building, University Park, PA 16802-7000, phone (814) 865-9519, fax (814) 865-5909.

The Industrial Research Office is providing a special registration rate for University faculty and staff. For more information and a registration form, contact Stephen McGregor, 119 Technology Center Building, University Park, PA 16802-7000, phone (814) 865-9519, fax (814) 865-5909.

## Private Giving

## Altoona Campus receives \$100,000 gift from local businessman

Altoona businessman and philanthropist Ernie Wissinger has pledged \$100,000 to the Penn State Altoona Campus Campaign for the Advanced Technology Center.

"This is an important project for our community," Mr. Wissinger said, "and I think it's important for people here to support it. The campus' new engineering degree will open more opportunities to the young people in this community and that's what we need. I hope my gift will motivate people who have not given to this campaign to do so now."

"We are very pleased to accept this significant donation to our campaign," Allen C. Meadors, campus executive director, said. "The Advanced Technology Center will provide laboratory and classroom space for our new bachelor of science degree in electro-mechanical engineering technology. The

availability of this new degree has the potential to have a major impact on the economic development of the Blair County area. Industries need engineering employees with a broad range of skills today and that is what graduates of the new program will have."

Ernie Wissinger is well-known in the Altoona area for the Wissinger Food Stores he developed as well as his community service, work for his church, and his educational philanthropy. His family has contributed more than \$1 million to higher education at various institutions in the state. Mr. Wissinger was chairman of the Altoona Area Beautification committee for many years, is a member of Rotary and Kiwanis, and serves on the board of directors for the Salvation Army, Easter Seal Society, the Economy League, and Altoona Enterprises.

In talking to campus officials about his gift, Mr. Wissinger suggested the following challenge: "Do people realize that if 1,000 people from Blair County each pledged \$100 to be paid over the next three years—now that's only \$33 a year—they would match my gift?" he said. "I think that would be significant. And I also think there must be far more than 1,000 people in our community who have benefited from the campus in some way who would want to help support the campus."

Individuals who wish to contribute to the campus campaign may send contributions to The Partnership for Advanced Technology, Penn State Altoona Campus, 3000 Ivyside Park, Altoona, PA 16601-3760. For further information please call the Office of University Relations at 949-5105.



# The ARTS

AT PENN STATE

## "St. John Passion"

The culminating event of the Society for Eighteenth-Century Studies Conference will be commemorated by nearly 100 School of Music faculty and students as they perform Johann Sebastian Bach's monumental "St. John Passion" at 8 p.m. Saturday, Oct. 15, in the School of Music Recital Hall on the University Park Campus.

Bach's "St. John Passion" combines several musical and textual elements in presenting the drama. The evangelist provides the continuing narrative, with other soloists singing the roles of the various dramatic personae, most prominently Jesus and Pilate.

The performance will feature Richard Kennedy, a member of the school of music voice faculty, as the evangelist. The role of Jesus will be sung by baritone Norman Spivey, also of the School of Music faculty. The role of Pilate will be sung by Christopher Gallo, a graduate voice major in the School of Music.

The solo arias for the performance will be sung by soprano Susan Boardman, mezzo-soprano Janice Wilson, tenor Philip Spoor and baritone Marshall Urban. Ms. Boardman is a member of the School of Music voice faculty and director of the opera theatre program. Ms. Wilson is an alumna of Penn State, having received her master's degree in performance prior to launching a career which includes a Carnegie Hall debut last season. Mr. Spoor is a teaching assistant in the School of Music.

Mr. Urban is a member of the School of Music voice faculty. Several instrumentalists, all members of the School of Music faculty, will perform significant roles in the performance. Organist/harpischorist June Miller and Cellist Kim Cook perform every movement of the work. James Lyon will serve as concertmaster of the orchestra and has been one of the coordinators for the performance project, along with Richard Kennedy, Dale Monson, and Douglas Miller. Students who will perform significant solo roles in the arias of the performance include obsouts Jeannie Ohnemus and Kara Jones, flutist Sharon Johnson,

and bassoonist Lin-Lang Su.

The choir for the performance will be the Penn State Concert Choir. It's conductor, Dr. Douglas Miller, will serve as conductor for the event.

Tickets are \$4.50 for adults, \$2.50 for students. Tickets may be purchased Monday through Friday from 8 a.m. to noon and from 1 p.m. to 4 p.m. in room 233 of the Music Building on Penn State's University Park campus. Tickets are available through the mail by writing to: School of Music, The Pennsylvania State University, 100 Music Building, University Park, PA 16802. Checks should be made payable to The Pennsylvania State University.

## Jazz recital

Saxophonist Dan Yoder, associate professor of saxophone and director of jazz studies, will present a faculty recital at 8 p.m. Tuesday, Oct. 18, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The first half of the jazz concert will feature Jeff Lawlis, piano; Jim Robinson, bass and Michael Funkett, drum set. Pieces to be performed by the combo include Irving Berlin's "Cheek to Cheek," "East of the Sun," by Brooks Bowman, "The Gypsy" by William Reed, "Samba De Orfeu," by Antonio Maria Luiz Banfa, and "Shaw Nuff," by Dizzy Gillespie and Charlie Parker.

The second half of the program will feature Professor Yoder as a soloist with Centre Dimensions, the University's Premier Big Band. Selections

for this half will include "Stairway To The Stars" arranged by Bill Holman for the Stan Kenton Orchestra, Pat Metheny's "If I Could," "Moonlight in Vermont" arranged by Frank Mantooth, "Emily" as arranged by Bill Rogers, and Duke Ellington's "It Doesn't Mean A Thing" as arranged by Matt Harris.

The concert is free to the public.

## Hi-Lo's

The Hi-Lo's of the Penn State Glee Club, under the direction of Bruce Trinkle, associate professor of

music, will perform in concert at 12:10 p.m. Thursday, Oct. 20, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The 15 member group will perform Welsh and English Folk songs, glees, and novelty songs.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## Penn State Harrisburg

An art exhibit featuring the works of Linda Fanning-Lefevre and Fred Schlitzer is on display through Oct. 28 in the Gallery Lounge at Penn State Harrisburg.

Ms. Fanning-Lefevre, whose work includes painting in oils and drawing with charcoal and pastels, is a graduate of Kutztown University. Mr. Schlitzer, also a Kutztown graduate, lived and painted in Washington, D.C., before relocating to Cold Spring, N.Y.

## Odyssey on WPSU

James L. W. West, director of the Center for the History of the Book, discusses the importance of books, their adaptability to cultural needs, and their indestructible qualities on the next episode of *Odyssey Through Literature*.

Says Dr. West, "The farther into it you go, the more you see that the book is simply a conveyor of knowledge. It is the instrument that cultures form to record what they know and what they discover, and to pass it on to future generations...The book as we know it is probably indestructible, that is to say, it is almost as well-adapted to human civilization as the wheel. It is a convenient, easily portable, easily consultable repository for information. There's really nothing that matches it."

Dr. West and host Leonard Rubinstein, however, also explore the possibilities of the electronic book and its impact on the literary future.

*Odyssey Through Literature* is produced at WPSU-TV as a continuing education service to the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.



ODYSSEY THROUGH LITERATURE

## PROMOTIONS

### Staff

Sherry E. Corman, staff assistant VIII in Research and Graduate School.

Chester DeFurio, manager, Project Planning and Renovations, in Office of Physical Plant.

Michael J. Felice, director of administration II at Hershey Medical Center.

Mary M. Gehman, nursing manager at Hershey Medical Center.

Kimberly M. Grubb, dining hall worker at A in Housing and Food Services.

Steven M. Hartman, technical laboratory assistant at Hershey Medical Center.

Michael L. Hite, research programmer in College of Agricultural Sciences.

Joyce E. Hoffman, administrative assistant III in Business Administration.

Jean M. Hughes, financial officer III in Corporate Controller's Office.

David W. Humiston, research support technician III in College of Agricultural Sciences.

Emma A. Inman, manager, Public Information/Media Relations, at Hershey Medical Center.

Mary Ann Kazczak, clinical head nurse at Hershey Medical Center.

Janet E. Kereslager, staff assistant VI at Hershey Medical Center.

Janet L. Klinefelter, staff assistant VI in Division of Development and University Relations.

Sherry L. Mettley, supervisor, Laboratory Computer and Information, at Hershey Medical Center.

Kathryn L. Romanoski, staff assistant VIII at Hershey Medical Center.

David A. Rose, business manager in Housing and Food Services.

Linda J. Roth, staff assistant V in College of the Liberal Arts.

Bonnie E. Shannon, program assistant at Penn State Harrisburg.

Amy J. Simpson, staff assistant IV in College of Agricultural Sciences.

Martin S. Smith, senior EDP auditor in Corporate Controller's Office.

Raymond C. Smeyers, accountant in Research and Graduate School.

Dawn L. Wagner, staff assistant V at Hershey Medical Center.

Vicki L. Weidner, conference coordinator in Continuing Education.

### Technical Service

Anthony R. Blobner, maintenance worker utility at the Penn State Beaver Campus.

Michael A. Field, store room worker in Housing and Food Services.

Mary Ann Gallagher, residence hall utility worker in Housing and Food Services.

William W. Hackenberg, carpenter/mason renovations in Office of Physical Plant.

Glenda M. Klinefelter, utility worker at Hershey Medical Center.

James L. Love, courier/maintenance worker in Business Services.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, October 13**  
The East-Central Chapter of the American Society for Eighteenth-Century Studies Annual Meeting. Agenda of papers, concerters, and other events planned. Plenary speaker, Professor Gila May. For further information, call Dale Monson at 865-0431.

**Bach's Lunch, 12:10 p.m., Eisenhower Chapel.** The Penn State Trombone Choir.

**University Libraries, 6:30 p.m., 102 Classroom Bldg.** Using Gopher to Borrow through the Internet. Registration required, call Joyce Combs, 863-0325. Must attend InterNexus class first.

**Friday, October 14**  
University Libraries, 9 a.m., 141 Computer Bldg. File Transfer with FTP (MAC Version). Registration required, call Joyce Combs, 863-0325. Must attend InterNexus class first.

■ **Geography Coffee Hour, 3:30 p.m., 319 Walker Bldg.** Susan M. Roberts on "The World is Whose Owner? Globalization and Geography."

■ **Latin American Student Association, 7 p.m., Paul Robeson Cultural Center.** Celeste Fraser Delgado on "Barrios and Borderlands: US Latino Cultures."

**Gallery Talk, 8 p.m., Eisenhower Auditorium.** Jennifer Olson on "American Painting at the Palmer."

**Center for the Performing Arts, 8 p.m., Eisenhower Auditorium.** Richard Goode, piano.

**Saturday, October 15**  
Friends of the Palmer Museum of Art will host an Informal meeting to discuss how you can be a museum volunteer, 9 a.m., at the Palmer Museum. Light refreshments and tour of the museum. Call 865-7672 to attend.

**Office for Minority Faculty Development Workshop, 10 a.m., 101 Kern.** Harold Cheatham, Grace Hampton, and David Wormley on "Moving From Associate to Full Professor." To make reservation, call Mary Leone, 863-1663.

**School of Music, 8 p.m., Recital Hall.** School of Music faculty and students to perform Johann Sebastian Bach's "St. John Passion." Tickets required, call 865-0431.

**Sunday, October 16**  
Shaver's Creek, 2 p.m., 128 Years in the Water, a history of the Pennsylvania Fish and Boat Commission. The program will include information on the area's native fish and where to find them. Call 863-2000.

**Center for the Performing Arts, 3 p.m., Eisenhower Auditorium.** Tom Chapin and Friends. Tickets required, call 863-0255.

**Monday, October 17**  
Lesbian, Gay and Bisexual Student Alliance, 6:30 p.m., Paul Robeson Cultural Center.

**Tuesday, October 18**  
Sigma Xi, noon, 101 Kern Bldg. John Milner on "Garlic-Anticarcinogenic/Antimutagenic Dietary Component."

**Inventions: Films From Black America, 7 p.m., Conference Room, Paul Robeson Cultural Center.** "Resurrection."

**School of Music, 8 p.m., Recital Hall.** Dan Yoder, saxophone.

**Wednesday, October 19**  
OCI Benchmarking, noon, Alumni Lounge,



A long way from home

El Hadji Papa Bunka Susso (left), and his cousin, Nakayo Susso, (right), from The Gambia, West Africa, took time out to enjoy the University Park Campus last week with her son, Ali. The two older West Africans performed traditional Gambian music and songs before a crowd in the HUB Flatbow.

Photo: Greg Grieco

**Old Main.** Gloria St. Clair on "Identifying Process Measures and Sources of Data for Benchmarking."

**Adult Learner Services and Center for Women Students, noon, 120 Boucke Bldg.** Sabrina C. Chapman on "Classroom Climate for Women." Also, 7:30 p.m., HUB Flatbow, Ray Glick on "The PA State Rape Law: The Implications of the Recent State Supreme Court Decision."

**Thursday, October 20**  
Instructional Development Program, 11:45 a.m., 105 ASI Bldg. "Active and Collaborative Learning" with Larry Spence. To register, call 863-2599.

**Bach's Lunch, 12:10 p.m., Eisenhower Chapel.** The Hi-Lo's from the Penn State Glee Club.

**Communications, 4 p.m., Carnegie Cinema.** Edward Foust Memorial Lecture. Thomas McKinney on "The Reality and Vision of Film D Advertising."

**The Faculty Staff Club Oktoberfest, 5:30 p.m., Fireside Room, Nittany Lion Inn.** Open to club members and their guests.

**Engineering, 7:30 p.m., Assembly Room, Nittany Lion Inn.** The Bowers Program presents Peter Shepherd on "What is Design."

**Friday, October 21**  
Penn State Lady Lion Volleyball Vs. Illinois, "Faculty and Staff Appreciation Night," 7:30 p.m. All faculty/staff and a friend will be admitted free with a staff I.D. card.

**Saturday, October 22**

**WPSX-TV Open House, 11 a.m.-4 p.m., Wagner Bldg.** Self-guided tours, and celebrities from the national PBS children's program "Storyline" will be performing throughout the day. Admission is free. School of Music, 3 p.m., Recital Hall. Eileen Yanson, flute.

**Philadanco, Center for the Performing Arts, 8 p.m., Eisenhower Auditorium.** Tickets required, call 863-0255.

**Sunday, October 23**  
School of Music, 3 p.m., Recital Hall. Ken Sarch, violin.

**Central Pennsylvania Society Archaeological Institute of America, 4 p.m., 101 Kern.** Norman Hammond on "New Light on the Ancient Maya."

## PUBLIC RADIO

**WPSU-FM 91.5**  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Morning Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat. Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marlon McPartland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, October 13**  
Ceramic Science, 11 a.m., 301 Steidle. John Halloran on "Non-Brittle Ceramics from Fibrous Monoliths."

**Center for Gravitational Physics, 11:30 a.m., 339 Davey Hall.** Alexander Migdal on "Loop Equations in QCD."

**Economics, 2:30 p.m., 367 Willard.** Joel B. Stiermond on "A General Model of the Behavioral Response to Taxation."

**Physics, 3:30 p.m., 101 Osmond Hall.** John C. Price on "Quantum Motions of Electrons in Metals."

**School of Forest Resources, 3:45 p.m., 101 Althouse Hall.** Chris Peterson on "Evaluating Models of Natural Forest Regeneration in an Old-Growth Catastrophic Wind-throw."

**Graduate Program in Nutrition, 4 p.m., S-207 Henderson Bldg. South.** Rachel K. Johnson on "The Effect of Parental Smoking on the Quality of Low-Income Children's Diets."

**Friday, October 14**  
Economics, 10:30 a.m., 403 Kern. M. Scott Taylor on "Trade and Transboundary Pollution."

**Entomology, 11 a.m., 101 ASI Bldg.** David Heckel on "Mendel Meets Mothra: Towards a Comparative Genomics of the Lepidoptera."

**Center for Research in Conflict and Negotiations, 1 p.m., 330 Beam.** Larry Blume on "Evolutionary Games in Economics."

**Accounting, 3:30 p.m., 333 Beam.** Lisa Koonce on "Investor Reactions to Financial Analysts' Research Reports."

**Monday, October 17**  
Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Hall. Copin Soo on "Chiral Fermions, Gravity and GLTs."

**Condensed Matter, 3:30 p.m., 339 Davey Hall.** M. Suzuki, speaker.

**Plant Pathology, 3:30 p.m., 110 Wartik Lab.** David Beyers on "The Potential Use of Composts for Biological Control of Plant Disease."

**History, 4 p.m., 112 Walker Bldg.** Arif Durik on "The Revival of Confucianism in A Global Context."

**Tuesday, October 18**  
Chemical Engineering, 3 p.m., 140 Fenske Lab. Rustum Roy on "Re-Inventing U.S. R/D Policy after the SSC and the Endless Frontier."

**Chemistry, 3:30 p.m., SS Osmond Lab.** Martin Moskovits on "Making Nanostructures on the Cheap."

**Biology, 4 p.m., 8 Mueller Lab.** Deane Bowers on "The Ontogeny of Insect Chemical Defense and the Evolution of Unpalatability."

**Outstanding Women in Geosciences, 4 p.m., 26 Hosler Bldg.** Ellen Mosley Thompson, speaker.

**Wednesday, October 19**  
Gerontology Center, 101 H&H East. Cameron Camp on "Cognitive and Behavioral Interventions for Persons with Dementia."

**Thursday, October 20**  
Ceramic Science, 11 a.m., 301 Steidle. Elzabeth Oels on "Durability of Silicon Carbide in Combustion Environments."

**Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Hall.** Louise Crane on "Four Dimensional Topological Quantum Field Theory."

**Physics, 3:30 p.m., 101 Osmond Hall.** Thomas Ferber on "Search for the Top Quark and Other Studies with the D0 Detector."

**The Leonard Center, 4 p.m., 123 EE East.** Mark Wharton on "Leading Project Management Teams."

**Friday, October 21**  
Entomology, 11 a.m., 101 ASI Bldg. Alan Renwick on "Sensitivity to Allelochemicals Regulating Host Acceptance by Pieris Butterflies and Larvae."

**Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam.** Rosemarie Nagel on "Experiments on the Centipede Game in Normal Form—An Investigation on Learning."

**CONFERENCES**  
**Thursday, October 13**  
Eastern Anthropological Association Society, 150 attendees, The Penn State Scanticon. Through Oct. 16.

See "Calendar" on page 8

# United Way campaign moves ahead; team leaders named

CENTRE COUNTY UNITED WAY



THE PENN STATE CAMPAIGN

As the 1994 University Park United Way campaign gets under way, the volunteer leaders appointed by campaign chair G. David Gearhart have assumed their various responsibilities.

Lamartine F. Hood, dean of the

College of Agricultural Sciences, serves as vice chair for the 1994 University Park campaign. Dr. Hood will succeed Dr. Gearhart as campaign chair in 1995, continuing the campaign leadership tradition of providing consistent administrative support.

Also key to the success of the United Way employee appeal are the campaign team leaders. Each administrative area has appointed at least one team leader to serve as a source of information and organization for that area. These dedicated volunteers coordinate all United Way activities, including organizing meetings, determining campaign strategies and guidelines, educational programs, special events and competitions.

Named as United Way team leaders for 1994 are:

Laura Bordas and Patricia Heuser (student team leader), College of

Agricultural Sciences; Lyle Merriman and Ed Williams (assistant), College of Arts and Architecture; Kay Kustanbauer and Nanette Smith (assistant), Athletics; Mary Jane Fisher and Lydia Abdullah (assistant), Budget and Resource Analysis; Trudy Smith and Patty Beaury (assistant), The Smeal College of Business Administration; Dale Roth, Business and Operations; Leslie Hutchins and Pamela Peterson (assistant), School of Communications.

Paul Pevorchik and John Dixon (assistant), Computer and Information Systems; Sandy Edwards and John Marshall (assistant), Continuing and Distance Education; Peter Weiler and John Dietz (assistant), Development and University Relations; Everett Tiffany and Debra Sipe (assistant), College of Earth and Mineral Sciences; A.J. Grill and James McAfee (co-leaders), College of Education; George McMurtry, College of Engineering; Deborah Hitchcock and Kaye Keith (assistant), Enrollment Management and Administration; T. Dean Murray, Finance.

Lynn Rockwell, College of Health and Human Development; Dick Leah, College of the Liberal Arts; Carol Hermann and Sharon Becker (assistant), President's Office; Ginny Imboden and Kathy Mullerberg (assistant), Research and Graduate School; Leon Kneebone, retirees; Johnnie Ray and Suzanne Sinclair (assistant), Eberly College of Science; Betsy Barto and Pat Peterson (assistant), Student Affairs; Janet Bowman and Lisa Gousser (assistant), Undergraduate Education; Steven Herb, University Libraries; Carol German and Judi Curley (assistant), students; and Matt Amole, student representative.

## Awards

### Assistant professor honored with Young Investigator Award

Edward C. Smith, assistant professor of aerospace engineering, has received a 1994 U.S. Army Research Office Young Investigator Award. The award recognizes and supports outstanding young faculty members across the country.



Edward C. Smith

As part of the award, Dr. Smith will receive a three-year, \$150,000 grant for a proposal titled "Vibration, Stability, and Transient Response of Helicopters with Elastic Tailored Composite Rotor Blades."

Dr. Smith also received the 1994 American Helicopter Society

Director's Award recognizing his combined research, teaching and professional service in the interests of vertical flight technology. An expert in rotorcraft dynamics and helicopters, he works on research for Sikorsky Aircraft and the U.S. Navy as well as teaches courses in rotorcraft aerodynamics, rotorcraft dynamics and aerospace structures analysis.

Dr. Smith was the professor-in-charge of the innovative Aerospace Vehicle Design and Fabrication course last year in which engineering students design and build a full-scale sail plane in a multi-level, multi-year project. He is the adviser of the Penn State student chapter of the American Helicopter Society.

Dr. Smith has a bachelor's degree with high distinction from Penn State, and master's and doctoral degrees from the University of Maryland, center for Rotorcraft Education and Research, all in aerospace engineering.

### Staff assistant recognized for work

Pearl R. Shannon, staff assistant at the Penn State Delaware County Campus, has received the Campus Staff Award for Outstanding Service.

Ms. Shannon, who works for campus faculty in the Academic Affairs Office, was nominated for the award by her faculty supervisors, who stated that she "is always ready to get work done, accommodate special orders and schedules, and puts our personal needs in sensible perspective."

In addition to receiving a check, Ms. Shannon received a Nittany Lion statue and had her name added to a plaque on permanent display at the campus.

## Calendar

continued from page 7

### Friday, October 14

Violence in the Workplace, 60 attendees, The Nittany Lion Inn.  
American Conference on Romanticism, 150 attendees, The Penn State Scanticon. Through Oct. 16.

Midwest Mathematical Economics and International Economics Meetings, 100 attendees, The Nittany Lion Inn. Through Oct. 15.

### Sunday, October 16

Executive Management Program, Week III, 35 attendees, The Nittany Lion Inn. Through Oct. 21.  
GPU Executive Institute, Module 1, 35 attendees, The Nittany Lion Inn. Through Oct. 28.

### Monday, October 17

Pennsylvania Planning Association Conference, 30 attendees, The Nittany Lion Inn. Through Oct. 18.  
Elements of Underground Coal Mining, 15 attendees, The Penn State Scanticon. Through Oct. 19.

Penn State Sanitation Short Course, 100 attendees, The Nittany Lion Inn. Through Oct. 19.

Modern Protective Structures, 50 attendees, The Penn State Scanticon. Through Oct. 21.

INFOTEC—Human Resource Certificate Program, 30 attendees, The Penn State Scanticon. Through Oct. 22.

### Tuesday, October 18

Improving the Quality of Intervention, 50 attendees, The Penn State Scanticon. Continuing Education Association of Pennsylvania, 75 attendees, The Penn State Scanticon. Through Oct. 20.

28th Annual Pennsylvania School Psychologists Conference, 200 attendees, The Penn State Scanticon. Through Oct. 20.  
Fermentation Methods and Scale-Up Strategies, 15 attendees, The Nittany Lion Inn. Through Oct. 21.

### Thursday, October 20

Family Assessment and Intervention for School Psychologists, 50 attendees, The

Penn State Scanticon.

Pennsylvania Manufacturing Conference, 200 attendees, The Penn State Scanticon. Through Oct. 21.

Alumni Nature and Wildlife Photo Symposium, 25 attendees, The Penn State Scanticon. Through Oct. 23.

### Sunday, October 23

Health-Care Providers Conference, 180 attendees, The Penn State Scanticon. Through Oct. 24.

Armstrong Management Program, 35 attendees, The Nittany Lion Inn. Through Oct. 28.

### EXHIBITS

HUB Browsing Gallery: Caru Judea Alhadeff's "Controversial Color Photography Exhibit." Through Oct. 23.

### HUB Art Alley:

The Milton Juniata Art League will feature a large cross-section of local artists and various art forms, including photography, drawing and painting. Through Oct. 23.

### Kern Art Gallery:

Navajo sand paintings by artist Storm Begay. Through Oct. 23.

### Singer Museum:

"Double Pict: Installation by Mary Ellen Carroll," through Dec. 11.  
"Gifts to Celebrate the New Museum," through Jan. 22.

### Pettee

### Rare Books Room:

Illustrated books from the 18th Century. Through Nov. 30.

### Peterson Undergraduate Gallery:

Laurie Riccadonna, BFA paintings. Through Oct. 14.  
Bill Stamos, BFA paintings. Oct. 17 through Oct. 28.

### Reflects an international perspective



# New student center in College of H&HD makes for more efficient operation

The new Student Services Center in the College of Health and Human Development will hold an open house from noon to 2 p.m. Friday, Oct. 14, in 101 Henderson Building on the University Park Campus.

The new center, located near Henderson Building's main entrance, brings together three service areas that previously were dispersed throughout the college: undergraduate advising, minority programs, and student records. The center also houses a minority student lounge and resource center.

"This new arrangement is very student-oriented, making it easier for students to be served well," Pamela Evock, acting director of the Advising Center, said. "Now students aren't referred to three different places for answers to their questions on undergraduate requirements."

"We also are now a bigger team," Dan Treviño, assistant dean for minority programs, added. "With the three offices together, we are better able to get involved in the activities of the other areas and ultimately to help students achieve their academic goals."

Each unit within the Student Services Center focuses on helping Health and Human Development students

their academic pursuits.

—The college's undergraduate advisers typically meet with more than 9,000 students a year, addressing specific academic concerns. In addition to these individual contacts, group informational sessions are held on a variety of topics, including the college's majors, academic information, course scheduling and selection, how to change majors, and retention issues.

—The minority programs office is responsible for recruitment and retention of minority students in the college. Along with a variety of other communications, the office publishes a monthly newsletter to keep the college's minority students current on upcoming events, deadlines, and financial aid resources. The office also coordinates four summer programs designed to attract and retain high school and college students who are interested in health-related careers.

—The student records office maintains current academic records on all Health and Human Development students. This group has the final responsibility for reviewing seniors' records to guarantee that all requirements have been met for graduation.

## News in Brief

### Computer workshops

A series of workshops to develop computer skills for students in grades five and six is being offered by the Information Technology Education for the Commonwealth (ITEC) Center at Penn State.

The sessions, covering keyboarding, word processing, and graphics, will be held Oct. 22, 29 and Nov. 5 at the ITEC Center, 210 Rider Building, 227 W. Beaver Ave., University Park.

The cost for each session is \$50. For more information, contact Denise Turso, instructor, at 865-2509.

### Painting being sought

A retired faculty member is attempting to locate a painting that was in the Victor Lowenfeld collection in the Chambers Building at University Park.

Edward Matti, former head of art education, said the painting by Hugo Weber, a Swiss-American painter, is an abstract—largely a blue field.

"We want to take a photo of it to include in a book on the artist," he said.

Anyone with knowledge of the painting and its whereabouts is asked to contact Mr. Matti at 234-0744.

### Textbook request

The Penn State Bookstore reminds faculty and instructors that textbook requests for Spring '95 courses are due Friday, Oct. 14. The information should be given to your department's course coordinator. Thank you for your cooperation.

### Free screening for children

A free developmental, vision, and hearing screening for children ages 6 months to 5 years will be held from 9 a.m. to 4 p.m. Oct. 19 in Schlow Memorial Library's Community Room, State College. The purpose of this screening is to assess the cognitive, verbal, and physical development of the child.

To schedule an appointment or for

more information, call Janine at Penn State Child Care Program Services, 865-5886.

### University Women's Club

The Newcomer Committee of the University Women's Club invites first- and second-year newcomers and their spouses to a reception and house tour at the Centre Furnace Mansion, 1001 E. College Ave., behind the Hampton Inn, on Wednesday, Oct. 19, from 4:30 to 6 p.m.

### Faculty Staff Club

The Faculty Staff Club will hold its annual Oktoberfest on Thursday, Oct. 20 beginning at 5:30 p.m. in the Fireside Room of the Nittany Lion Inn. This event will feature a fine sampling of German beverages and a menu reminiscent of a Bavarian Wirtshaus. It is open to club members and their guests.

The cost is \$8 for those paying with those paying with cash. Club members should make sure they have sufficient balances in their accounts. Members wishing to add to their balance should send a check made out to Penn State, along with their Penn State ID number, to Faculty Staff Club, 110 HUB.

For more information about joining the club, contact any of the club officers as listed under "Faculty Staff Club" in the Penn State Faculty/Staff Directory.

### Appreciation night

Penn State Lady Lions Volleyball hosts "Faculty and Staff Appreciation Night" at 7:30 p.m. Friday, Oct. 21, vs. Illinois. All University faculty and staff and a friend will be admitted free with a staff I.D. card. Come support the Lady Lions!

### WPSX-TV open house

WPSX-TV (Channel 3) will hold an open house from 11 a.m. to 4 p.m. Saturday, Oct. 22. The station will be open for self-guided tours. Celebrities from

the national PBS children's program "Storytime" will be performing throughout the day. Refreshments will be served. Admission is free and all are welcome.

The WPSX-TV studio complex is located near the corner of University Drive and Curtin Road on the University Park Campus. For more information call 865-3333.

### Workshop on inclusion

The Family Focused Early Intervention System and The Pittsburgh Child Care Institute will hold a free child care workshop from 6:30 to 9 p.m. Thursday, Oct. 27, at the Nittany Lion Inn at University Park.

The workshop, titled "Including Young Children with Disabilities in Child Care Programs," will define characteristics of successful inclusive programs, discuss the rationale for inclusion, and explore strategies to make inclusion work for everyone. It is designed for parents, child care providers, early interventionists, and any others who are interested in finding out more about inclusion.

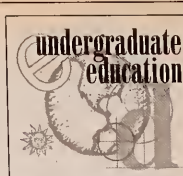
For more information and to register, call Janine at Child Care Program Services, 865-5886.

### Textbook returns

The Penn State Bookstore is in the process of returning Fall Semester overstock textbooks to the publishers. Faculty members are asked to announce to their students that they should purchase any of their remaining texts as soon as possible. If you have any questions please call the Textbook Department at 863-3252.

### Yearbook sale

La Vie, The Penn State Yearbook, is on sale for only \$35 until January 1995. Don't miss your chance to buy this award winning book! Call 865-2602 or visit the La Vie office in 209 Hetzel Union Building for information.



## What did you do on your summer vacation?

If you ask this one of Penn State's honors students, be prepared to hear tales of community work in the Andean highlands of Ecuador, house construction in Budapest, cloud forest preservation in Costa Rica or some other and equally surprising reports of community service in far off places.

A Penn State alumnus devoted to promoting international understanding and education has made these experiences possible for eleven students. His generous gifts to the University Scholars Program have provided the resources for small awards (\$400 to \$800)—just enough to help students overcome a major obstacle to such ventures, the cost of getting there and back. (Many of the local organization provide room and board at the site.)

Working with a substantial resource pool on opportunities around the world, students have found volunteer service programs suited to their academic or personal interests and their desire to do some work of value to a community or cause.

According to the project coordinator, Marilyn Keat, assistant director of the University Scholars Program, students are encouraged to integrate academic study with their service projects, and most have done so by collaborating with Penn State faculty to do independent study of, for example, the regional culture and history.

In addition to those mentioned, Scholars' service-learning projects of the past two summers include environmental education and work in Spain and Sardinia; construction of community facilities in Mexican villages; analysis of safety factors of offshore drilling operations (engineering students bringing their skills to bear) in the United Kingdom; caring for needy children in a small Mexican city, and working at the Holocaust memorial in Buchenwald.

Students' reports of new understandings of political, social, economic, and ethical issues reveal the educational value of their summer's experience. Returning to Penn State, they help educate all of us.



## Appointments

### Staff at Hazleton adds one

John S. Barnes Jr., assistant director of student affairs and admissions officer at the Penn State Wilkes-Barre Campus, will join the admissions staff at the Penn State Hazleton Campus. He will divide his time between the campuses, and his activities will focus on admissions and recruiting activities targeted to non-traditional students, African-American, Latino and Hispanic students.

Mr. Barnes had worked at Penn State Hazleton in 1984 as a counselor, and had been coordinator of the Office of Minority Programs in the College of the Liberal Arts.

Active in northeast Pennsylvania, he co-chairs and is co-founder of the Northeast Network, a nonprofit organization whose activities are dedicated to enhancing the quality of life of all minority communities in the region. He also is a member of the Wilkes-Barre Catholic Youth Center, the Leadership Wilkes-Barre Alumni Association, and the Greater Wilkes-Barre Chamber of Commerce. He is the advisory board chairman of the Luzerne County Unity Coalition, and a member of the Wilkes-Barre Area NAACP.

In 1994, Mr. Barnes received the Penn State Wilkes-Barre Campus Community Service Award for his leadership and interest in community activities. Last month, he received one of Wilkes-Barre's Distinguished Service Awards, presented for outstanding public service.

Mr. Barnes is a Penn State graduate with an M.S. degree in public administration.

### Director/lecturer named in Eberly College

Donald W. Genson, a former executive with the Dow Chemical Company, has been named director of corporate liaisons and lecturer in chemistry in the Eberly College of Science. The position is funded, in part, by a grant from the Dow Chemical Foundation.

"The establishment of this position strengthens our capabilities for forming mutually beneficial research and educational partnerships between the Eberly College of Science and the corporate sector," Norman Freed, associate dean, said.

Dr. Genson, a chemist with extensive experience in corporate research and management, will use his expertise to expand existing industry/University programs and to establish new ones. He will serve as the executive director of a new Science BS/MBA curriculum now under development by the Eberly College of Science and The Smear College of Business. He also is exploring ways to help create a program for graduate students similar to the Eberly

College of Science Cooperative Education Program now in place for undergraduates.

Dr. Genson earned a bachelor of science degree in chemistry with high honors at Albion college in 1967 and a doctoral degree with honors in physical chemistry at Kansas University in 1972. He joined the Dow Chemical Company in 1972, where he held a succession of research and management positions.

From 1972 to 1977 he was agricultural chemical research and development scientist, process control engineer, then assistant superintendent for styrene/butadiene latex production at the company's western division in Pittsburg, Calif. From 1977 to 1981 he was production superintendent for styrene/butadiene latex at the eastern division in Dalton, GA. He then moved to the company's corporate headquarters in Midland, Mich., where he was manager of environmental regulatory affairs, senior manager of investor relations, business director of solid waste solutions, and most recently regional manager of state government affairs.

### Schreyer Chair filled

Leading international business scholar Fariborz

Ghadar has been appointed to the William A. Schreyer Chair in Global Management Policies and Planning in The Smear College of Business Administration.

Dr. Ghadar, former chair and professor of international business at George Washington University, also is the founder and chair of Intrados/International Management Group, a consortium of Washington, D.C.-based experts providing executive education and research services.

At Penn State, he will spearhead the develop-



Donald W. Genson



Fariborz Ghadar

ment of the Center for Global Studies, a new multidisciplinary research center delving into emerging business issues in the international marketplace. He also will be a faculty member in The Smear College's Department of Finance.

"We are extremely pleased Dr. Ghadar has accepted this major appointment," J.D. Hammond, dean of The Smear College and William Elliott Professor of insurance, said. "He will be a critical catalyst in the classroom and among his colleagues here. His joining of The Smear College will add significant momentum to our efforts to internationalize business education at Penn State."

Dr. Ghadar has long been a faculty leader in the highly ranked Penn State Executive Programs, which are aimed at the professional development of practicing business people. In addition, he has conducted training for international organizations on corporate strategy, international finance and investment analysis. He also has developed key courses in international business strategy and negotiation, and in international finance and banking at George Washington University.

He received the 1993 Marketing Educator of the Year Award. The award is presented annually in recognition of outstanding contributions to the advancement of marketing education and business development.

As a consultant to government and business, Dr. Ghadar recently worked with the government of Egypt in evaluating privatization issues. He also has aided in privatization and free-market transformation efforts in countries of the former Eastern Bloc, served as an expert witness for the U.S. government on international economics and finance, and developed a forecast for the European telecommunications industry in the era of economic unification.

He is the author, coauthor, editor or coeditor of more than 10 books, the most recent of which is *Global Business Management in the 1990s*. He holds bachelor's and master's degrees in engineering from the Massachusetts Institute of Technology and M.B.A. and doctoral degrees from the Harvard Graduate School of Business Administration.

The William A. Schreyer Chair was created through a \$1 million gift from University Trustees President William A. Schreyer ('48), chair emeritus of Merrill Lynch and Co., and from the Merrill Lynch Foundation. Funds from the Schreyer Chair endowment will be used to support Dr. Ghadar's teaching and research activities.

## Creative cooking on the fly

As the main chef at the "insect deli," University entomologist Shelly Fleischer was cooking up some intriguing delicacies recently at the annual Great Insect Fair hosted by the College of Agricultural Sciences.

What was on the menu? Mealworm/mushroom stir-fry, chocolate "chirpies" (chocolate covered crickets) and Claremont chowder, whose secret ingredient is wax moth larvae.

The curious and the brave stepped forward to taste the delicate cuisine — an excellent source of protein.

"I think curiosity is the main attraction and almost everybody will at least try them," Dr. Fleischer said. "Most of my colleagues in the college either will eat bugs, or they won't. In contrast to what I observed with the general public, there seems to be little middle ground among professional entomologists."

The cooking event is part of an annual affair that includes tours of the Frost Entomological Museum, art projects, sing-alongs and informational sessions. The fair is held to teach people about the mysteries and habits of insects, some beneficial to humans and crops.



Curious visitors examine some of the many bugs featured at the Great Insect Fair.

Photo: Howard Nuemberger

# Breazeale Reactor answering 17th century mystery

*Researchers analyze well-preserved corpses to discover causes of death*



*A reconstructed model of what scientists believe Anne Wolsley Calvert looked like.*

**Did arsenic kill Anne Wolsley Calvert, was it used in her embalming, or were the traces of arsenic found in her hair simply an artifact of 17th century cosmetics?**

These are some of the questions that researchers at Penn State's Breazeale Nuclear Reactor hope to answer through neutron activation analysis of hair taken from Anne Wolsley Calvert and Philip Calvert.

Anne and Philip Calvert were buried, along with an unidentified infant, in lead-lined coffins, in what was the Brick Chapel in St. Mary's City, Md. The Chapel was built in the 1660s and served as the center of Maryland Catholicism until the early 1700s when Catholic worship was banned.

"This won't be the first analysis we've done on the St. Mary's City project," Marcus A. Voth, associate professor of nuclear engineering and director of the Radiation Science and Engineering Center, said. "We have already analyzed the lead from the coffins, samples from the bodies and hair."

Because of the lead coffins and impervious clay soil, the bodies were exceptionally well preserved. Osteological analysis of the remains indicate that Philip was 45 to 55 years old, overweight and did not engage in manual labor. Anne Wolsley Calvert was a sickly woman, 55 to 65 years old, who had bad teeth, arthritis and osteoporosis.

Despite her infirmities, she probably died from complications due to a broken leg that was poorly set and had remained unhealed and infected for 12 to 18 months.

"It appears that an attempt was made to embalm the bodies using alum," said Mark Moore, project technical director, Project Lead Coffins, and reactor facility director, Armed Forces Radiobiology Research Institute, Uniformed Services University of the Health Sciences, Bethesda, Md.

Philip Calvert was the youngest son of the first baron of Baltimore. The Calverts were obviously rather well off, as embalming was not generally practiced in the colonies.

Penn State's nuclear activation analysis of crystalline residue from both bodies showed relatively high amounts of aluminum. According to Mr. Moore, subsequent analysis indicated that the aluminum was in either the form of alum or aluminum oxide, a degradation product of alum.

Analysis of hair from the heads and bodies was carried out by Penn State's Radiation Science and Engineering Center. The initial studies were done on entire hairs and a subsequent study was done on hairs divided into three segments — closest to scalp, middle and furthest from head.

"By dividing the hair into pieces, we can measure the body's uptake of trace elements such as arsenic, as a function of time as the hair grew," Dr. Voth said.

"Levels of three trace elements from the initial analysis were worth noting," Mr. Moore said. "A very high concentration of iron in the man's hair as compared to the woman's and high concentrations of silver and arsenic in the woman's hair, but no evidence of silver or arsenic in her body hair."

Subsequent testing of washed and unwashed hair showed that the silver was only apparent in the middle section of the unwashed hair. This might suggest that some type of silver hair ornament was worn. Tests for arsenic showed it was incorporated into the hair and appeared mostly in the portion of hair closest to the scalp.

Arsenic was used medicinally to treat infections and diseases. The researchers believe that the arsenic may have been administered in increasing doses to treat complications of the broken leg.

"We cannot, however, rule out the use of arsenic in the embalming process," Mr. Moore said. "Nor does this absolve cosmetics, some of which at the time contained high amounts of arsenic."

While he searches through last will and testaments of local period doctors to determine if the arsenic might have come from their stores, researchers at Penn State are testing hair segmented into 10 pieces. The researchers were not told which piece of hair was closest to the scalp. They suspect that this blind testing will show that progres-

sively less arsenic is found the further from the root the hair is tested.

Each piece of hair is placed into an ampule and then exposed to thermal neutrons from the reactor core. The length of exposure ranges from a few minutes to hours depending on the trace elements being investigated.

The neutrons convert stable isotopes to radioactive isotopes that emit gamma or x-ray radiation. These emissions are counted in a gamma energy spectrum analyzer system. Because each element produces its own unique energy spectrum, computer analysis can identify and measure the trace elements present. Validation checks of Penn State's neutron activation analyses are being run at Kansas State University, the University of Utah and by Dow Chemical in Midland, Mich.

"It is exciting to see our reactor used to unravel one more historic mystery," Dr. Voth said. "First we characterized the lead from the three coffins, showing

it to be typical of lead that came from England. Now we hope we can learn something about the arsenic in her hair."

He noted that this is typical of the services routinely provided by the reactor for Penn State researchers.

The earlier analysis of the lead included samples from all three coffins and a fourth sample from the coffin of Lionel Copley, Maryland's first royal governor.

"Neutron activation analysis of the lead indicated that the lead in the three Brick Church coffins probably came from the same mine and refinery, but that the Copley coffin lead did not," Mr. Moore said.

The analysis looked at the proportional composition of the gold, arsenic, silver, copper and antimony in the coffin alloy.

— Andrea Elyse Messer



*Remains of the Calverts that are being analyzed.*



*The three lead-lined coffins found that contained Philip and Anne Calvert, and an unidentified infant. The lead-lined caskets are what kept the bodies so well-preserved.*

Photos courtesy of the Radiation Science and Engineering Center

## Plea for advertisers to use designated bulletin boards

In an effort to reduce the clutter of announcements, advertisements and messages posted on building exterior doors, walls, windows and even on trees and lampposts on the University Park Campus, Penn State officials are asking everyone to use designated bulletin boards instead.

"We want to keep the University from becoming one unsightly billboard, but we also understand the need for individuals and groups to advertise events on and off campus," William H. McKinnon, associate vice president for Business and Operations, said. "We have placed General Purpose Bulletin Boards inside the entrances of buildings with high student traffic, and ask everyone to cooperate by using them."

The bulletin boards are clearly marked and can be used to post notices of meetings, seminars, movies and musical entertainment on campus and in town. All materials will be cleared off the boards at the end of each month.

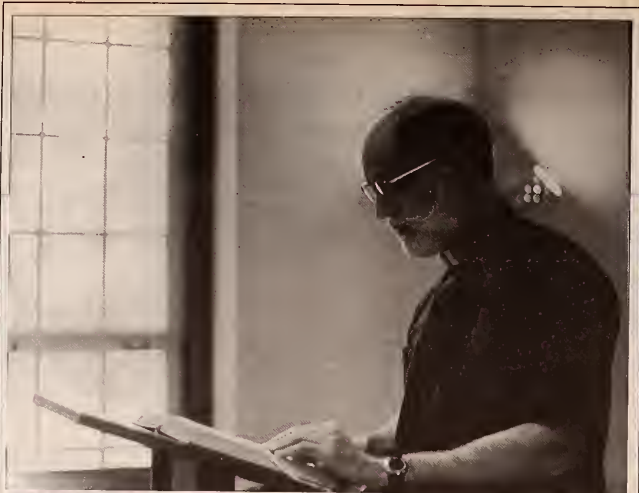
Fosters and flyers now block windows, litter floors and create very real and costly problems for Office of Physical Plant crews inside buildings and on the grounds. "Beginning Monday, Oct. 31, we will enforce the General Purpose Bulletin Board requirement," Mr. McKinnon said. Enforcement will include:

- Faculty, staff and students are asked to keep the campus litter-free by removing all promotional materials from exterior building surfaces, outdoor signs and anywhere else they find them outside. Custodial staff will remove all improperly posted flyers and posters.

- Businesses or organizations sponsoring the event or entertainment as identified on the flyer or poster will be billed for the cost of removal. The University will file a claim with the District Magistrate if the bill is not paid within 30 days.

- The University will prosecute individuals caught posting materials anywhere except on the General Purpose Bulletin Boards.

For information about General Purpose Bulletin Board locations and policies for posting materials on campus, please call Amy Doerr at 863-8740.



### Seeking inspiration

Father David Arseneault, Catholic campus minister at University Park, selects readings from the Bible as he prepares for a daily mass at the Helen Eakin Eisenhower Chapel on campus. This photo was taken by a student in Photojournalism Comm 269. The class assignment was to capture a personality on film.

Photo: Józef Salewski

## Obituaries

Gerald M. Brey, retired associate professor of engineering at Penn State Harrisburg, died Sept. 14 at the age of 65. He joined the University faculty Sept. 1, 1965, and retired July 1, 1990.

Victor S. Cannady, janitorial worker at the Penn State Ogontz Campus, since Jan. 1, 1989; died Sept. 3 at the age of 37.

Rachel V. Fravel, residence hall work-

er, Housing and Food Services; from Oct. 19, 1965, until her retirement Jan. 1, 1987; died Sept. 2 at the age of 69.

Helen S. Harvey, nurse supervisor, University Health Services; from Oct. 1, 1954, until her retirement Oct. 1, 1970; died Sept. 15. She was 83.

John L. Penkala, retired research assistant in the Department of Nuclear Engineering, died Sept. 3 at the age of

62. He joined the University staff June 1, 1958, and retired June 30, 1986.

Laura Peters, audio-visual aids technician, College of Agricultural Sciences; from July 1, 1948, until her retirement Aug. 1, 1970; died Aug. 8. She was 89.

Gilbert L. Woodring, second cook, main kitchen, Nittany Lion Inn; from Oct. 4, 1981, until his retirement Aug. 1, 1988; died July 25 at the age of 62.

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## PENNSTATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

October 20, 1994

Volume 24, Number 10

## Extended health care contract holds down costs

The extension of Penn State's health care coverage contract will continue to keep health care costs below the national inflation rate and maintain current high-quality health care benefits for faculty and staff.

"The University intends to provide as many health-care options as possible to University faculty and staff and their families," Billie S. Willits, assistant vice president for human resources, said. "The University has one of the better packages in the country for a reasonable price, and hopes to gradually enhance the number of available choices in the plan."

Penn State recently signed a health care contract extension with Coventry Corp., the parent company of Health America. Under the extended contract, HealthAmerica will continue to provide health care coverage until Dec. 31, 1997.

In addition to the 12 benefits currently available through payroll deductions, there now is a University-wide Employee Assistance Program (EAP), which is designed to provide help for problems ranging from depression and alcohol abuse to stress management and household budgeting.

Starting Nov. 1, all University faculty and staff and eligible household members can get initial access to the EAP just by making a phone call. Hershey Medical Center faculty and staff should call 1-717-566-7334 or 1-800-543-5080. All other University faculty and staff should call 1-800-848-2778.

James Wagner, vice president for business and operations, says that Penn State and HealthAmerica have been able to "improve the quality of care and services while substantially containing the cost of health care at Penn State. Working together, we have been able to avoid additional costs in excess of \$17 million over the three-year span of the first contract."

Under the University-wide managed care system implemented by Penn State and HealthAmerica for faculty and staff, Mr. Wagner said, 93 percent are eligi-

### BENEFIT SWITCH ENROLLMENT PERIOD

OCT. 25 - NOV. 30

During the Oct. 25-Nov. 30 annual benefit switch enrollment period, University employees are urged to make sure their benefits packages are up to date.

Also, the University encourages University Park faculty and staff to attend any or all of four upcoming open houses on employee benefits, and Commonwealth Campus faculty and staff to attend sessions that will be announced at each campus.

"It's really important for Penn State employees to take full advantage of this opportunity and make sure that they have the right benefits lined up for 1995," Billie S. Willits, assistant vice president for human resources, said.

To help prepare employees for the switch enrollment period, information packets outlining their current benefits were mailed out the week of Oct. 17.

Postcards also will be sent to employees' homes.

All benefit open houses at University Park will run from 8 a.m. to 4:30 p.m. Dates and locations are:

▲ Friday, Oct. 28, 101 Kern; Monday, Oct. 31, Nittany Lion Inn Ballroom; Tuesday, Nov. 8, 101 Kern; Friday, Nov. 18, HUB Fishbowl.

Representatives from the Employee Benefits Division, HealthAmerica, the SERS state retirement fund program, TIAA/CREF, the five tax-deferred annuity companies, the NPAY prescription program, Penn State wellness and child care services programs, the maintenance prescription drug plan, and the optional accidental death and dismemberment program (VADD) will be available to answer faculty and staff questions.

See "Health care" on page 3

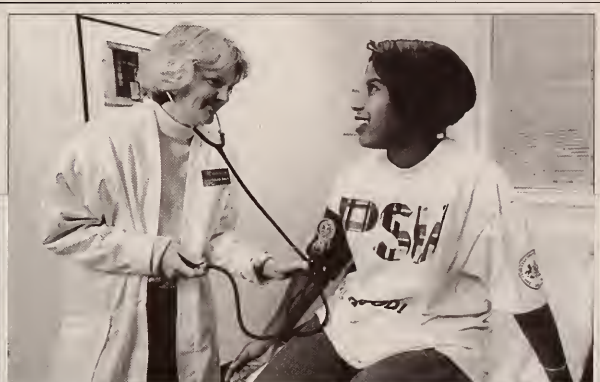
## National Academy of Sciences elects Pugh professor

Stephen J. Benkovic, Evan Pugh Professor of chemistry and holder of the Eberly Family Chair in Chemistry, has been elected to the Institute of Medicine of the National Academy of Sciences.

The institute, established in 1970, secures the services of eminent scientists and doctors to advance health science and education and to improve health care. Members are elected based on professional achievement and a demonstrated concern and involvement with problems and issues that affect public health.

Dr. Benkovic is known for his biochemical research, especially work on the mechanisms of enzymic reactions. This work has led to the development of a new generation of antifolates for cancer therapy; to an understanding of how HIV-1 virus develops mutations that contribute to its resistance to AIDS drugs; how the insights into protein machinery for DNA replication are organized, and to the creation of catalytic antibodies for potential medical applications.

He is a member of the National Academy



### The gift that keeps giving

Kathy Petroff, supervisor of the Urgent Care Department in Attenour Building, checks out Janice Ross, a junior from Pittsburgh, in the newly opened facility on the University Park Campus. More than 2,500 members of the class of 1993 donated \$112,000 for the unit that is open to all registered Penn State students. Services in the Urgent Care Department, dedicated in September, include diagnosis and treatment of acute illnesses and injuries, intravenous therapy, short-term observation and emergency care.

Photo: Greg Grieco

See "Sciences" on page 20

## DIVERSITY

# \$1 million-plus grant allows University to expand program to low-income adults

Low income adults in eight western and southwestern counties with some of the most severe educational and economic problems in Pennsylvania will be able to get the education they need to compete for skilled jobs, thanks to a recently expanded program at the University.

A community-based program centered at the Penn State McKeesport, DuBois and Fayette campuses, Penn State's Educational Opportunity Centers (EOC) have recently received a \$1,052,000 competitive federal grant over four years to continue and expand services to eight counties, including Allegheny, Armstrong, Beaver, Clearfield, Fayette, Indiana, Jefferson and Westmoreland.

The program, which has satellite centers in some area Veterans Administrative offices, Job Service centers, and Public Assistance offices, helps adults identify educational

income and more than 188,000 are both low-income and would be the first generation in their families to attend college.

"The education, employment and income profile for minorities, especially African Americans, in the EOC district is of special concern," Howard E. Wray, assistant dean for Undergraduate Education and Academic Assistance Programs, said. "While the state average unemployment rate is around 6 percent, the average unemployment rate for African Americans in the eight-county area ranges from 15 to 40 percent. The educational levels below the baccalaureate level for minorities also are higher than the state average of 83.2, averaging 88.6 percent for African Americans.

In Allegheny, Armstrong and Beaver Counties, the EOC center at Penn State's McKeesport Campus, which is about 15 miles southwest of Pittsburgh, and its outreach centers will serve an estimated 120,000 adults eligible for services. The area has suffered from the collapse of the steel industry and related manufacturing over the past 20 years and has seen the closing and downsizing of major public and private employers since the recession in the 1980s.

"Literacy and the lack of technical training have stymied many workers efforts to improve their position," Mabel C. Lee, EOC director, said.

While the employment situation in Pittsburgh has improved over the past few years, the same cannot be said for many of its surrounding communities where average family incomes can range from 10 to nearly 50 percent below the state average. The situation is quite similar in the other two districts of the target area.

Toward the center of the state in Clearfield and Jefferson counties, the center at the DuBois Campus will focus more on the effects of rural rather than urban poverty. But, like the other areas, the collapse of mining and manufacturing jobs have left unskilled workers with few employment options.

"Penn State received federal funding to expand the Educational Opportunity Center program because of a very real need to address Pennsylvania's unemployment and economy in the western region through higher education and a more skilled workforce," Dr. Wray added.

"Nearly two million people in the eight-county area do not have a baccalaureate degree, and the employers today have little use for unskilled workers. Without an existing skilled labor pool, the region has little to attract investors to create job opportunities."

**The employment picture in the eight-county area of Allegheny, Armstrong, Beaver, Clearfield, Fayette, Indiana, Jefferson and Westmoreland is bleak.**

**More than 450,000 individuals are classified as low-income.**

goals and apply for financial assistance in order to begin or continue their education beyond high school. It offers academic assistance, career counseling and helps participants complete entrance testing and the enrollment process.

This is the second time the federal government has selected Penn State to serve adults pursuing a postsecondary education," John J. Cahill, vice provost and dean for Undergraduate Education, said. "We will continue to help identify appropriate careers for program participants and help them enroll in higher education institutions."

Penn State is one of 74 programs in the country to share the \$24 million allocated for EOC through the U.S. Department of Education's Special Programs for Students from Disadvantaged Backgrounds; 290 colleges and universities applied for funding this year.

The employment picture in the eight-county district is bleak. More than 450,000 individuals are classified as low-

## Diversity group adds members

Thirteen new members have joined the Commission for Racial/Ethnic Diversity for 1994-95.

Joining the commission are eight regular members, three ex officio members and two volunteers. They are:

Charles Clark Jr., assistant director, student programs, Altoona Campus; Dorothea Lemeh, administrative aide, School of Visual Arts; Shannon Stephens, graduate student, educational administration; Robert Loeb, assistant director, academic affairs, Altoona Campus; Edwin Escala, director, Undergraduate Minority Admissions and Community Affairs; Kevin Marpo, undergraduate student; Linda Sue Warner, assistant professor and director, American Indian Education Policy; and Margo Groff, assistant director of program support services, Education Abroad Programs.

Also appointed are Linda Gonzales, Affirmative Action Office (ex officio); State College Mayor Bill Welch (ex officio); Bernard Bronstein, Division of Undergraduate Studies (volunteer); Dominic Santavice, professor of mechanical engineering (volunteer); and John Bell, ex officio and liaison for the Committee for Lesbian, Gay, and Bisexual Equity.

The commission is a University-wide advisory body to the president in matters relating to diversity. It comprises 30 members with 24 appointed by the president and six designated as ex officio.

Vicki Fong, manager of Science, Engineering and Research Communications in the Department of Public Information, will serve as the 1994-95 chair of the Commission.

Ms. Fong has been active in multicultural issues, serving as a member of the Equal Opportunity Planning Committee, search committees for the vice provost for educational equity and affirmative action director, and a subcommittee on diversity for strategic planning. She also is an adviser for the Asian American Student Coalition.

She has been a long-time member, newsletter editor and former coordinator for the Central Pennsylvania Women of Color, a network of University and community women of color.

Chair-elect is Mia Kim, Maintenance and Operations, Office of Physical Plant. He joined OPP in 1986 and currently is a member of the heat, air conditioning and ventilation technical staff. He also is a member of the Child Care Advisory Committee and president of the State College Area Alumni Association.

The next meeting of the commission is Oct. 21 at the University Park Campus and is open to the University community. For more information, contact Puring MacDonald at (814) 863-8415.

## COMMISSION for Women

A column informing the University community about the activities of the Commission for Women

### "Go for" it!

The Penn State Commission for Women is sponsoring an online calendar available through the Penn State Gopher System. This calendar, titled "Events of Interest to Women," includes meeting times, special lectures, and other events from various groups and offices at the University Park Campus, such as the Commission for Women, Professional Women at Penn State, and the Center for Women Studies.

Gopher is an on-line bulletin board/information service that allows easy access to publicly available

information stored on computers all over the world.

Gopher is accessed in a variety of ways, depending on the way a particular network is configured. If you are unsure how to log on to Gopher, contact the appropriate personnel in your unit.

Once Gopher has been accessed, finding "Events of Interest to Women" is a simple procedure which involves selecting the following series of menus:

- Penn State University Gopher (this step may not be necessary on all systems)
- General Penn State Information
- Calendars, News, Sports
- Events of Interest to Women
- That's all there is to it!

Debra Putt, member of the Outreach Committee of the Commission for Women, will monitor the calendar. She will update the Gopher posting at the end of each month. If you would like to have information about your group added, please send the information to: Debra Putt, 208 Mueller, e-mail DAP@psuadmind, by the 25th of each month.

If you have any questions, call Debra at 865-4562. The Commission for Women reserves the right to exclude any information that does not fit its criteria.



## Appointments

### General manager named for Jordan Center

Robert Howard, director of the Augusta, Me., Civic Center, has been named general manager of the Bryce Jordan Center.

"We're very pleased that Robert Howard has joined us as general manager of the Jordan Center," James M. Wagner, vice president for business and operations, said. "As the director of the Augusta Civic Center, he has been responsible for the overall operations of a facility that sees more than 1,500 functions a year. His 19 years of experience make him well qualified to manage the activities that will take place in the Jordan Center."



Robert Howard

The Jordan Center is expected to open in late fall 1995.

As director of the Augusta Center, Mr. Howard's responsibilities have included planning and executing a \$2.2 million annual budget; managing a \$1 million food service operation; recruiting, training, and supervising personnel; coordinating all center events, and handling public relations and marketing for the complex.

The Augusta center includes an 8,700-seat arena, a 38,000-square-foot exhibit hall, and 23 meeting rooms, as well as full-service kitchen, concession, and box office facilities. It is located in Augusta, Maine's capital city and home to the University of Maine at Augusta.

Between October 1980 and February 1989, Mr. Howard was director of the Savannah, Ga., Civic Center, which consists of an 8,500-seat arena, a 2,566-seat theater, and a 24,600-square-foot exhibit hall. Previously he was superintendent of parks and

recreation for the mid-city district of Portsmouth, Va., and manager of recreational services at Callaway Gardens, a resort 80 miles south of Atlanta, Ga.

He has a 1975 bachelor of science degree in leisure services and studies from Florida State University, Tallahassee, Fla., and a 1972 associate in arts degree from Broward Community College, Fort Lauderdale, Fla.

### College of Engineering adds one

Garth Motschenbacher, former associate director of cooperative engineering education at Michigan State University, has been appointed director of the Engineering Cooperative Education Program in the College of Engineering.

At Michigan State, Mr. Motschenbacher established more than 200 new links with prospective employers for new co-op placements as well as placed students in more than 400 co-op positions. He also worked closely with faculty, staff and students in diverse training situations ranging from diversity and sexual harassment awareness training to resume writing and interview preparation.

Mr. Motschenbacher received the Distinguished Faculty Member of the Year Award from the National Society of Black Engineers and is certified as a senior professional in human resources (SPHR) through the Society of Human Resource Management.

Before joining Michigan State, he worked for General Motors, Saginaw Division, in several positions.

He has a master's of business administration (human resources) and a bachelor's in financial administration, both from Michigan State.



Garth Motschenbacher

### Addiction specialist appointed

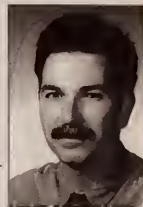
Stephen Shetler, has joined University Health Services and the Center for Counseling and Psychological Services in a joint appointment as addiction specialist.

In this new position, created as a result of recommendations of the Task Force on the Prevention of Alcohol and Other Drug Abuse and the Council on the Prevention of Alcohol, Tobacco and Other Drug Abuse, Mr. Shetler will provide: individual and group psychotherapy for students who request help with alcohol and other drug issues; intervention for high risk students referred by Judicial Affairs and other sources, and consultation and collaboration to all Penn State campuses.

Mr. Shetler has over 15 years experience as a psychotherapist and most recently held the position of addiction counselor, psychologist in training and clinical coordinator with Lawrence T. Clayton & Counseling Associates in State College.

He earned his bachelor of arts degree at Washington and Jefferson College where he majored in psychology. He also holds a master of arts in community psychology from Temple University.

Mr. Shetler is a Pennsylvania Certified Addiction Counselor, having met the educational and experimental requirements to provide counseling to the chemically dependent. He also holds both national certifications for Addiction Counselors. He is a member of the American Counseling Association and the National Association of Alcohol and Drug Abuse Counselors.



Stephen Shetler

## Health care

continued from page 1

ble to be covered by an HMO (health maintenance organization) and 96 percent by a PPO (preferred provider organization). To date, about 30 percent or 15,000 of Penn State's faculty and staff and their dependents have enrolled in an HMO, compared to only 2.7 percent who were enrolled in the program in 1992.

Also, Penn State and HealthAmerica have established the Hershey Medical Center and College of Medicine, as well as Centre Community Hospital, as anchors for tertiary care — treatment for serious conditions such as premature births, certain kinds of cancer, and multiple trauma injuries caused by accidents — in the University-wide managed care system.

Coventry Corp. is a managed health care company that manages the University's health care programs and provides coverage for the University's 45,000 faculty and staff and their dependents, and retirees, and provides health benefits to employer groups in Pennsylvania, Missouri, and Illinois. Operating from regional headquarters in Pittsburgh and Harrisburg, and in St. Louis, Mo., Coventry serves half a million people.

## Partings

### Engineering educator ends long-standing career

Carl Wolgemuth, a nationally recognized leader in engineering education, has retired from Penn State after 30 years of service.

The first associate dean of undergraduate studies for the College of Engineering, he initiated and developed the Engineering Cooperative Education Program, the Minority Engineering Program, and the Women in Engineering Program. He was instrumental in the establishment of the Leonard Center for the Enhancement of Engineering Education, and acted as its first director. He also facilitated the development of ECSEL (Engineering Coalition of Schools for Excellence in Education and Leadership), serving as its co-principal investigator.

Dr. Wolgemuth was committed to increasing the undergraduate engineering scholarship endowment funds and, during his tenure as associate dean for undergraduate studies, scholarship endowment for undergraduates increased from approximately \$100,000 to \$3.6 million. Known as an individual willing to do what he asked others to do, and his wife endowed the Carl and Lois Wolgemuth Scholarship in Engineering.

A thermodynamics specialist, he co-authored a classic textbook, *Introduction to Thermal Sciences*, which recently entered a second edition.

Dr. Wolgemuth graduated from Penn State in 1956 in mechanical engineering. In 1963, after earning master's and Ph.D. degrees at Ohio State University, he joined the mechan-

ical engineering faculty at Penn State. He served as acting head of the Department of Mechanical Engineering from 1983-1984.

He was appointed associate dean for undergraduate studies in 1984. He also served as associate dean for administration and planning from 1987-1988 and as acting dean of the College from 1991-1992.

He received many awards, including the NASA-ASEE Summer Faculty Fellowship, the Penn State Engineering Society Outstanding Teaching Award, and the Adviser of the Year Award, by the Order of Omega. He also was awarded the John E. Wilkinson Award for Administrative Excellence.

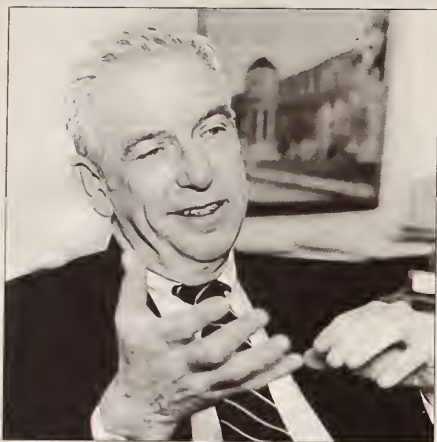
Following his retirement, Dr. Wolgemuth plans to remain active in the engineering education community by participating in the accreditation of various engineering programs, as a member of the Engineering Accreditation Commission of ABET. He and his wife, Lois, also enjoy gardening and are avid backpackers.



Carl Wolgemuth



## LEADERSHIP PROFILE



John Cahir, vice provost and dean for undergraduate education.

**E**VEN WITH MORE THAN 30 YEARS OF EXPERIENCE BEHIND HIM, JOHN CAHIR IS STILL ON THE LOOKOUT FOR NEW WAYS TO IMPROVE HIS CLASSROOM TECHNIQUES.

His latest experiment, which he terms "Pause Day," is the result of a conviction, based on his readings in the literature on teaching and learning, that feedback is critical to both processes.

As Penn State's vice provost and dean for undergraduate education, Dr. Cahir, who also is professor of meteorology, is perforce spending a good many evenings and weekends absorbing the latest findings on instruction. It is, however, a subject in which he has always had a deep interest.

"The idea behind 'Pause Day,'" he reports, "is to set aside a day when I put the syllabus aside and try to engage the students in conversation. We as faculty have a tendency to rely heavily on a single teaching model — what I call my 'great lecture' — even though research has shown that students do not all have a single learning style.

"What strategies do my students think will be most effective in helping them learn about meteorology? Am I tapping into resources that will accommodate their different learning styles? Those are some questions I'd like to see answered when we talk together that day.

"Sometimes we get so wrapped up trying to cover a certain amount of material for a course that we don't stop to get feedback, and that can ultimately be inimical to learning."

Dean Cahir has been a Penn State student himself. He earned a bachelor's degree in meteorology in 1961, and his doctorate in that field was conferred by the University 10 years later.

He is a co-author of two books, *The Atmosphere and Principles of Climatology*, and has authored or co-authored numerous papers in his research areas of synoptic meteorology and climatology. He also led a pioneering group applying computer technology in weather stations.

From 1980 to 1993, he served the College of Earth and Mineral Sciences as associate dean for resident instruction and Commonwealth Campuses, and during that period was an active member of the Faculty Senate.

He has demonstrated his leadership in the field of atmospheric sciences both nationally and internationally. He is the U.S. member of the World Meteorological Organization's Commission for Atmospheric Sciences and was chair of the Earth Science Advisory Council of the Universities Space Research Association. He also was a member of the Council of the American Meteorological Society and presi-

## JOHN CAHIR

### TAKING TIME TO LISTEN

"SOMETIMES WE GET SO WRAPPED UP TRYING TO COVER A CERTAIN AMOUNT OF MATERIAL FOR A COURSE THAT WE DON'T STOP TO GET FEEDBACK, AND THAT CAN ULTIMATELY BE INIMICAL TO LEARNING."

dent of the National Weather Association.

"I feel very fortunate to be occupying my present office at this time," Dean Cahir says. "A variety of factors, from the information revolution to the downsizing economy, is stimulating universities everywhere to examine how well they are serving their students.

"At Penn State, the recommendations from the Task Force and Commission on Undergraduate Education, appointed by President Thomas, are starting to create a more active learning environment with greater student involvement.

"We used to tell our students that if they got the proper credentials and kept their records clean, the job they wanted would be waiting at the end of the line. Then they could work at it for 35 years and wind up with a nice gold watch. Unfortunately, things aren't that simple any more."

But students can furnish their minds for life if they take away from the University what Dean Cahir describes as "a research mindset."

"I'm concerned," he continues, "that too many undergraduates pass through Penn State without ever really developing the attitudes and skills that should come from attending a major research university. This isn't to say that we should be turning out 8,000 researchers a year, but that being around faculty who have been the stimulators of change should equip students with a restless unwillingness to accept whatever is written in a book.

"To accomplish this involves engaging students and faculty in a new kind of interactive dialogue, and I believe this is starting to hap-

pen. Last summer, for example, the Administrative Committee for Undergraduate Education held a colloquy on 'Active and Collaborative Learning,' and 100 faculty members, representing all of our campuses, came together to discuss ways to get students involved in their own learning. On a much smaller scale, that's what I'm trying to do personally with my 'Pause Day.'"

Dean Cahir continues:

"Ultimately, we all know that it's the faculty who have to call the signals in any kind of educational reform. Our job in Old Main is to stimulate and encourage cooperation on the new directions in which faculty and all of higher education collegially determine that we must go and then help them get there.

"I am proud of the programs the Office of Undergraduate Studies already has in place to serve special students interests, and I hope, if the need arises, we can widen access to them. Our academic assistance programs and our advisers have made a world of difference to a wide range of students."

Recently, reflecting on the success of the University Scholars Program, Dean Cahir has begun to consider how Penn State might attract those applicants who don't quite make the cut.

"I estimate that each year Penn State receives some 2,000 to 3,000 applications from students who are excellent prospects but whose grades don't qualify them as 'scholars,'" he says. "I'd like to see us do something extra to recruit these students, perhaps offer them a modest scholarship, mentoring or more

See "Cahir" on page 16

PENNSTATE



# LECTURES

## National Academy of Sciences president to speak Oct. 25

Bruce M. Alberts, president of the National Academy of Sciences, will present the 1994 A. Dixon Johnson Memorial Lecture in Scientific Communication at 8 p.m. Tuesday, Oct. 25. The lecture, titled "A Foundation for Science in the 21st Century—Scientists as Science Educators," will be held at 8 p.m. in 111 Wartik Laboratory. The public is invited.

A respected biochemist, Dr. Alberts has worked in the fields of both biochemistry and molecular biology. He is perhaps best known for his research on protein complexes that allow chromosomes to be replicated.

He serves on various journal editorial boards, including *Molecular Biology of the Cell* and *Current Opinion in Biological Sciences*. Dr. Alberts is a principal author of *The Molecular Biology of the Cell*, a leading textbook used widely in U.S. colleges and universities. He is the author or co-author of more than 150 published scientific research papers.

Dr. Alberts, who has devoted much of his time to improving science teaching, was honored with the 1993 Outstanding Volunteer Coordinator Award by the California School Volunteer Partnership. In addition, he has served on the advisory board of the National Science Resources Center—a joint project of the National Academy of Sciences and the Smithsonian Institution—working with teachers, scientists, and school systems to improve the teaching of science.

Recognition among his many honors are the 1972 Eli Lilly Award in Biological Chemistry awarded by the American Chemical Society and the 1975 U.S. Steel Foundation Award in Molecular Biology given by the National Academy of Sciences. Dr. Alberts was elected a fellow of the American Academy of Arts and Science in 1978, was awarded the American Society of Cancer Lifetime Research Professorship in 1980, and was elected an associate member of the European Molecular Biology Organization in 1993.

Before becoming president of the National Academy of Sciences, he served as chairman of the Department of Biochemistry and Physics at the University of California, San Francisco, from 1985 to 1990 and has been a professor there since 1976.

Dr. Alberts graduated *summa cum laude* in biochemical sciences from Harvard College in 1960. He got his doctoral degree in biophysics from Harvard University in 1965. After serving as a postdoctoral fellow at the National Science Foundation from 1965 to 1966, he became a professor of life sciences in the Department of Biochemical Sciences at Princeton University. He ended his 10-year career there as associate chairman of the department in 1975.

The A. Dixon Johnson Memorial Lectures in Scientific Communication are a project of the Eberly College of Science Alumni Society and are supported by donations to the college's Science Fund and the A. Dixon Johnson Foundation. The lectures are named in honor of the late A. Dixon Johnson, science writer and head of the Department of Public Information.



Bruce M. Alberts

## Stanford professor to give Oct. 28 talk

Anne O. Krueger, of Stanford University, will discuss "Complexity as an Economic Phenomenon" at 9 a.m. Friday, Oct. 28, in Room 260 Willard Building on the University Park Campus.

The presentation is the second in the 1994-95 Seminar Series sponsored by the Department of Economics and the Institute in Policy Research and Evaluation.

Dr. Krueger, who received her Ph.D. from the University of Wisconsin in 1958, has taught at the University of Minnesota, Duke University, and Stanford University. She also served as vice president for economics and research at the World Bank from 1982-86.

A leading expert on international trade and economic development, Dr. Krueger has written more than 30 books. A research associate at the National Bureau of Economic Research, she is the president-elect of the American Economic Association.

## Psychologist to present two Nov. 4 lectures at Scanticon

University of Chicago psychologist Mihalyi Csikszentmihalyi, internationally known for his writing and research on the contributions of human experience to individual happiness, will present two talks on Friday, Nov. 4, at the Penn State Scanticon Conference Center at University Park.

Dr. Csikszentmihalyi will speak on "The Bottom Line of Life: The Study of Optimal Experience" at 10:30 a.m. At 3 p.m., he will address "Some Riddles of Creativity." Both presentations are open to the public. For those needing transportation, a bus will be provided free from the parking lot leaving the Business Administration and Mater Buildings on campus, leaving at 9:50 a.m. and 10:15 a.m. for the first talk, and at 2:30 p.m. for the second talk, and returning afterward.

Dr. Csikszentmihalyi's theory of "flow," or optimal experience, is widely recognized as a basis for enhancing the quality of both work and leisure experience. Formerly head of the University of Chicago's Department of Psychology, he is the author of the best-selling *Flow—The Psychology of Optimal Experience* and a new book *The Evolving Self—A Psychology for the Third Millennium*.

Dr. Csikszentmihalyi's visit is jointly sponsored by The Smell College of Business Administration and the College of Health and Human Development.

## Cable in the '90s is topic of Oct. 25 event

Walter S. Ciciora, cable television consultant, will deliver the 1994 Donald W. Levenson Lecture, jointly sponsored by the National Cable Television Center and the College of Engineering.

The lecture titled "Vision and Reality for Cable in the '90s" will be delivered at 2:30 p.m. Tuesday, Oct. 25, in Room 622 Willard Building on the University Park Campus.

Dr. Ciciora currently travels worldwide to consult on cable television technology. From 1982 to 1994 he held senior technical positions at Time Warner, most recently vice president of technology. He currently serves on the executive committee of the Montreux

Television Symposium and is member of the board of directors of the Society of Cable Television Engineers (SCTE).

He chaired both the CableLabs Technical Advisory Committee and the National Cable Television Association (NCTA) Engineering Committee for four years each. He chaired the Joint Engineering Committee of the NCTA and Electronic Industry Association for eight years.

Dr. Ciciora received the 1987 NCTA Vanguard Award for Science and Technology and was named 1990 and 1993 "Man of the Year" by the *Communications Engineering and Design* (CED) magazine.

## Workshop linking three university sites to focus on two Kenyan communities

A three-day workshop on "Gender and Development in Two Kenyan Communities" will be held Wednesday through Friday, Oct. 26-28, in 202 Borland Laboratory on the University Park Campus.

The workshop is being offered as part of a USAID-funded tri-university linkage project between Penn State (lead university), Tuskegee University and the University of Nairobi.

It will focus on agricultural practices, management and use of natural resources, micro-enterprise development and self-help organizations in the

communities of Domet and Muranga in Western and Central Kenya and explore how gender relations affect these activities.

Guest instructors for the workshop are Gabriel Marim, lecturer and director of the Applied Nutrition Program at the University of Nairobi, and Jane Mutia, lecturer at the University of Nairobi and a practicing pediatrician with the Kenya Ministry of Health.

For more information, contact Audrey Maretzki at 863-4751, or Marleni Ramirez at 863-8015.

## Boston University professor of archaeology to speak on Mayan culture on Oct. 23 in Kern

Less than a century ago, scholars who studied the Maya culture of Mexico and Central America believed that it rose abruptly around 300 A.D., collapsed just as suddenly 600 years later, and was ruled by peaceful priests whose energies were directed toward astronomical calculations.

All of these ideas have come under fire in recent years. Norman Hammond, professor of archaeology at Boston University and investigator of

Maya sites in Belize since 1970, will discuss the ancient Maya at 4 p.m. Sunday, Oct. 23, in 101 Kern Building on the University Park Campus.

His lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America. Additional support for the society's programs comes from the Institute of the Arts and Humanistic Studies, the College of the Liberal Arts, and the College of Arts and Architecture.



## Advising conference set for Oct. 24-26 to focus on environmental programs

The variety of environmental programs offered at the University will be the theme of the fall advising conference sponsored by the Division of Undergraduate Studies (DUS) from 1 p.m. Monday, Oct. 24, to noon Wednesday, Oct. 26, at University Park.

On Monday afternoon, a program will be presented at Shaver's Creek Environmental Center, by Corky Potter, director, and the center's staff. Charles Giuliani, assistant professor of engineering and head of the surveying program at the Penn State Wilkes-Barre Campus, will present his perspective on advising and an overview of the surveying program from 8:30 to 9:30 a.m. Tuesday, Oct. 25, in the Mars Room of Johnston Commons, East Hall.

This will be followed by an Environmental Majors Forum to be held from 10 a.m. to 3 p.m. in the HUB Fishbowl. At this event, the following speakers will describe their programs and answer audience questions:

From the College of Agricultural Sciences, Herschel Elliott, professor and coordinator of environmental resource management, and Paul Blankenhorn, professor

of wood technology; College of Arts and Architecture, Romulo Martemucci, interim head of the Department of Architecture, and Neil Korostoff, professor of landscape architecture; College of Earth and Mineral Sciences, Gary Burkle, director of academic advising, and Brent Yamal, associate professor of geography and associate of the Earth Systems Science Center; College of Engineering, Jack McWhirter, professor of chemical engineering, and James C. Young, Kappe Professor of environmental engineering; College of Health and Human Development, Stephanie Lovell, professor in charge of recreation and park management; Eberly College of Science, Carl Keener, professor of biology. In addition, a variety of environmental programs will be highlighted with displays placed around the perimeter of the HUB Fishbowl.

From 8:30 to 9:30 a.m. Oct. 26, a representative of the University's Tech Prep program will speak in the Mars Room of Johnston Commons.

For more information about the conference, contact Linda Clark, 181 Chambers, (814) 865-0488, LXCI10@OAS.PSU.EDU.

## News in Brief

### Photography series

"Fresh Eyes, Nature and Wildlife Photography," the first workshop in the Alumni College Photography Series, will be held Oct. 20-23.

An "early bird" campus shoot will be held today and Friday, Oct. 21, on the University Park Campus. On Oct. 22-23, participants will learn the "Ten Secrets of Nature Photography" and put them into practice at Shaver's Creek Environmental Center.

Instructor for the workshop, a Continuing and Distance Education service of the Penn State Alumni Association and the School of Communications, is Marc Levey.

### Networked information video conference

On Oct. 28, from 1:30 to 5:30 p.m., Indiana University's Bloomington Campus will originate "Networked Information and the Scholar," a national satellite videoconference featuring panels of international renown.

The University Libraries will sponsor a satellite downlink of the teleconference held in Room 402 Keller Building at University Park. To register, contact Nancy Struble via e-mail at nas@psu.edu or by telephone at (814) 863-9919. The Heintzel Library at Penn State Harrisburg also will sponsor a downlink in the Student Center Room of the Capital Union Building. To register for this location, contact Jennifer Dineley via e-mail at

jd3@oas.psu.edu or by telephone at (717) 948-0700. Registration is limited to 60 participants at University Park and 180 at Penn State Harrisburg.

The conference will focus on the growing use of networked information and how it can support the goals of higher education. The panelists will present their perspectives on the impact of electronic information and computer networks on teaching and research. They will examine changes and trends that are shaping the future of academia.

### Mentors needed

Lion Liaison mentors are needed for Fall Semester 1994. The Lion Liaison Mentor Program pairs new adult learners with current students, faculty, staff and alumni for purposes of easing a student's transition back to school. If you are interested, please contact the Center for Adult Learner Services, 863-3887.

### Volunteers sought

The Peace Corps is seeking volunteers who are willing to serve two years in developing nations. All travel and health benefits are paid, and volunteers are given room and board as well as a small monthly stipend. Upon completion of service, \$5,400 will be paid.

Individuals in special need are those with skills in the following areas: education, agriculture, and health care. If you are interested, please call Jennifer McPeck at 863-1430 for more information.

## Private Giving

### Sculptor's work donated to Penn State Harrisburg

Three works by world-famous sculptor Boris Blai have a formal home at Penn State Harrisburg, thanks to the generosity of his step-daughters—Anita Simon and the College's provost and dean Ruth Leventhal.

Penn State Harrisburg formally named the Boris and Bertha Blai Sculpture Garden during the annual Student/Faculty Picnic.

Named in honor of Dr. Leventhal's mother and stepfather, the garden to the rear of the Olmsted Building at Penn State Harrisburg will feature the sculptures and offers tables and benches for the use of students, faculty and staff.

The sculptures donated by Dr. Leventhal and her sister for the garden are: "Sea Girl," a green patinated bronze figure of a woman stretched out and supporting herself with both arms; "The Evening Gown," a green patinated bronze of a semi-nude figure of a seated

woman; and "In Green Pastures," a green patinated bronze of a standing nude.

Mr. Blai was a protégé of Auguste Rodin and the founding dean of the Tyler School of Fine Art at Temple University, serving from 1935 to 1960. He also founded the Long Beach Island Foundation for the Arts and Sciences.

Born in Russia in 1889, Mr. Blai began to carve wood at an early age. He received formal training at the Kiev Imperial Academy and the Imperial Academy of Fine Arts in Leningrad. He also attended the École des Beaux Arts in Paris.

After serving as an officer in the French army during World War I, Mr. Blai came to America and has works exhibited in Chicago, New York and Cleveland. He died in 1985.



### What a Difference: Acclimating CES Business Majors to University Park

Over half of the students in The Smear College spend the first two years of their Penn State careers on one of the Commonwealth Campuses. The mission of one CQI team in the college was to improve the transition of CES students to University Park. The team gathered data to identify customer concerns by conducting telephone surveys of former CES students at UP, surveying CES students at the CES, and surveying the CES business faculty. Results indicated that students' primary concerns before and during the transition to UP were the learning environment, campus life, and academic progress.

As a result of improvements instituted by the ROAR team (Relocation, Orientation, Acclimation and Registration), CES students are now welcomed by Smear College faculty, staff and former CES students during a day-long visit at University Park that includes a campus tour, classroom visits, interaction with business faculty members and opportunities for student mentoring. The spring 1994 program hosted students from Berks, DuBois, and York Campuses. Ronald Koot and Susan Winick, sponsors; Jane McCandless, leader; Rosanna O'Neil, facilitator; Patricia Mutzke, Susan Norling, Barbara Smith, Richard Smith, and Rose Mary Witham, team members.

### New Hires to Receive CQI Training

New employees in the Office of Human Resources are encouraged to attend two courses offered by the Quality Resource Development Center: "An Overview of Continuous Quality Improvement" and "Understanding and Valuing Diversity." Billie Willis, assistant vice president for human resources, has asked her managers and directors to survey human resources staff to determine who has not had an opportunity to attend a new course and to inform her or his staff of the value and importance of these programs to the overall programming and goals of the University.

### GOAL/QPC Conference to Feature Dynamic Trio: Barker, Tribus and Wheatley

GOAL/QPC's Eleventh Annual TQM Conference will focus on "Leadership in the New Organization: Integrating Continuous Improvement, Learning, and Creativity." Featured speakers will include Joel Barker, often considered the world's foremost authority on paradigm change; Myron Tribus, well-known for his writing on Dr. Deming's philosophy of management and one of the original founders of the American Quality and Productivity Institute; and Margaret Wheatley, author of Industry Week's "Best Management Book of 1992," *Leadership in the New Science: Learning About Organization from an Orderly Universe*. The conference takes place in Boston Nov. 14-16. For more information, please contact the CQI Center at 863-8721.

## Alumni Fellows

## Liberal Arts names SEC director as Alumni Fellow

William R. McLucas, director of the Division of Enforcement for the Securities and Exchange Commission, has been named an Alumni Fellow by the College of the Liberal Arts.

As director of the Enforcement Division, Mr. McLucas leads a staff in Washington, D.C. and five regional offices across the country who investigate and prosecute violations of the federal securities laws. The more than 400 cases that the Commission brings each year involve complex market manipulations, insider trading, financial fraud by public companies, sales practice abuses by brokerage firms and investment advisers, among other things.

Prior to his 1989 appointment as enforcement director, Mr. McLucas worked for 12 years within the division, beginning as a staff attorney in 1977. Before he came to the commission, he was an attorney with the Federal Home Loan Bank Board for two years.

Mr. McLucas is a member of the Bar of the Supreme Court of Pennsylvania, the American Bar

Association, the Executive Council of the Federal Bar Association's Securities and Law Subcommittee, and the Board of Visitors of Temple University School of Law.

He is a 1972 Phi Beta Kappa graduate with distinction of the College of the Liberal Arts in political science and received his J.D. degree in 1975 from Temple University Law School, where he was research editor of the *Temple Law Quarterly*. During his tenure at the commission, he has



William R. McLucas

received the Presidential Award for Distinguished Service and the Chairman's Award for Excellence. In 1991 he also received the Human Relations Award from the Lawyer's Division of the B'nai B'rith Anti-Defamation League.

He has participated in the Visiting Alumni Program of the College of the Liberal Arts and spoken to classes of The Smeal College of Business Administration. In 1992, he was one of the lecturers for The Smeal College's William Elliott Conference on Insurer Solvency.

Designation as Alumni Fellow is one of the highest honors that the University bestows on its graduates, and is a lifelong designation. Sponsored by the Penn State Alumni Association and the colleges, the Alumni Fellows program is designed to link prominent graduates and current students, faculty, and administrators.

## Franchiser honored this week by Behrend College

James A. Frye, founder, chairman, and CEO of The Italian Oven, Inc., franchiser of the Italian Oven restaurant chain and a Penn State Erie, The Behrend College alumnus, will return to the college for two days in October to be honored as its 1994 Alumni Fellow.

This permanent, life-long designation will be bestowed on Mr. Frye today at a reception hosted by President Thomas. Mr. Frye will meet with students in business and other programs today and tomorrow.

Mr. Frye studied at Penn State-Behrend for two years before finishing his bachelor's degree in political science at the University Park Campus in 1973. While at Penn State-Behrend, he played soccer and in 1993 endowed the \$250,000 James A. Frye Fund for Athletics.

Following his graduation from Penn State, Mr.



James A. Frye

Frye managed Dante's Restaurants Inc. in State College; he later owned and operated Gullit's Restaurants in Pittsburgh and Frye Management Co., a Pittsburgh-based restaurant management and consulting company.

In 1989, Mr. Frye and his wife, Janice, also a Penn State graduate, opened the first The Italian Oven restaurant in Somers-

et. In five years, their single restaurant has grown into 70 franchised and corporate-owned restaurants in 15 states. The Italian Oven has been called one of the 12 hottest concepts in dining by *Restaurants & Institutions* magazine, and was named the top franchiser in the category of Italian restaurants by *Entrepreneur* magazine in its annual Franchise 500.

Mr. Frye and his wife reside in Lioniger, Pa., with their three sons. He sits on the boards of directors for Safe & Sound, the Western Pennsylvania Committee for Prevention of Child Abuse, and the Jeannette Hospital Foundation. He is a member of the Hospitality Advisory Board for Robert Morris College, communications chairman of the Pittsburgh chapter of the Young President's Organization, and a member of the *Pittsburgh Post-Gazette's* Old Newsboys Organization and The Western Pennsylvania Conservancy.

## Faculty / Staff Alerts

## Homecoming Parade

The annual Homecoming Parade at University Park will be held on Friday, Oct. 28. The parade forms in the Mitchell fields and will cross Park Avenue onto Campus at Bigler Road at 5:30 p.m.

The parade will follow its normal route down Bigler Road to Pollock, west on Pollock to Shortlidge, south on Shortlidge to College Avenue, west on College Avenue to Burrows Road. The parade will disassemble at the Burrows and Pollock intersection on campus.

Employees leaving campus should go to Atherton Street and Park Avenue avoiding College Avenue, Pollock Road and College Road, between Pollock and College. Employees parked in the HUB Parking Deck will have difficulty leaving the facility.

In addition, there is a pep rally scheduled for 4:30 p.m. Friday, Oct. 28, on the Old Main Lawn. It will be approximately a half-hour in length.

Both of these events will have an impact on traffic flow and congestion. Please schedule yourself accordingly.

## HRDC courses

The Human Resource Development Center is offering the following courses. To register for free courses,

please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of HRDC course catalog.

## ■ Excel Complete on the Macintosh MAC 003

Participants will learn formula entry, spreadsheet terminology, and how to create macros. Meets Monday, Wednesday, and Friday, Oct. 24, 26, and 28, 1 to 5 p.m. in 117 Wagner; cost: \$150.

## ■ Personal Innovation PRO 019

Will stimulate your creative talents and provide different pathways for you to become more innovative on the job and in other areas in your life. Meets Friday, Oct. 21, 9 a.m. to 4 p.m. in the Leonard Center, 202 Rider II; cost: \$55.

## ■ Culinary Hearts Kitchen WEL 025

Learn to make new and health eating habits simple and enjoyable. The American Heart Association's guidelines on food preparation and nutrition will be followed. Meets Tuesdays, Oct. 25-Nov. 29, 4 to 6 p.m. in 223 Henderson; cost: \$40.

## ■ Sexual Harassment DIV 006

The legal basis of sexual harassment will be reviewed, providing participants with an under-

standing of the difference between behavior and behavior that could be considered sexual harassment. Meets Tuesday, Oct. 25, 1:30 to 4:30 p.m. in 319 Rider; cost: none.

## ■ University Policy Manual PRO 022

Designed to help interested faculty and staff become aware of the sources of University policies and many of the forms and procedures which affect daily life at Penn State. Meets Tuesday, Oct. 25, 10:30 a.m. to noon in 319 Rider; cost: none.

## ■ Data-Based Decision Making CQ1 004

Provides information, tools, and techniques for effective data collection and interpretation. Meets Friday, Oct. 28, 9 a.m. to 4 p.m. in 319 Rider; cost: none.

## ■ Stress Workshop WEL 047

Examines the relationship between stress and job burnout and enables participants to read the signals and symptoms of stress. Meets Monday, Oct. 31, 9 a.m. to 4 p.m. in 319 Rider; cost: \$55.



# The ARTS

AT PENN STATE

## "Women in the Arts"

Joan Myers Brown, artistic director of the Philadelphia Dance Company, Philadanco, and two Philadanco dancers, Kim Bears and Gwendolyn Coleman, will give the first presentation in the four-speaker lecture series, "Women in the Arts," at 7:30 p.m. tonight in the Grandfather Clock Lounge of Atherton Hall on the University Park Campus.

The "Women in the Arts" lecture series is sponsored by the Center for the Performing Arts. The lecture coincides with Philadanco's week-long residency at Penn State. It is free to the public.

## Flutist to give recital

Flutist Eileen Yarrison, instructor in music, will present a faculty recital at 3 p.m. Saturday, Oct. 22, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will feature music by Aaron Copland, Katherine Hoover, Eldin Burton, and George Phillip Teleman. Ms. Yarrison will perform on Baroque traverso as well as the modern Boehm flute. Assisting her will be faculty member Jill Olson, piano.

The concert is free to the public.

## Philadanco

The Philadelphia Dance Company, Philadanco, will perform at 8 p.m. Saturday, Oct. 22, in Eisenhower Auditorium on the University Park Campus.

Philadanco, founded in 1970 by artistic director Joan Myers Brown, is now a world-renowned company for African-American dancers. The company has performed throughout the United States, the United Kingdom, the Caribbean, Europe and Asia.

For ticket information, contact the Eisenhower Auditorium Ticket Center

## Violin recital

Kenneth Sarch, professor of violin at Shenandoah Conservatory in Winchester, Va., will perform a recital featuring 20th century violin works at 3 p.m. Sunday, Oct. 23, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program includes sonatas by Charles Ives and Aaron Copland, an unaccompanied sonata by Prokofiev and Polonaise Brillante by Henri Wieniawski.

Dr. Sarch holds degrees from the Juilliard School and Boston University, as well as the prestigious Artists Diploma from the New England Con-

servatory. Collaborating with him will be pianist Sue Marston Boyd, associate professor of piano at Shenandoah Conservatory.

The recital is free to the public. Dr. Sarch also will teach a master class for violin majors at Penn State on Saturday, Oct. 22, from 3 p.m. to 5 p.m. in room 115 of the Music Building. The class is free to the public for observation.

## Philharmonic concert

The largest Philharmonic Orchestra in Penn State's history will present its first concert of the season at 8 p.m.

students. For ticket information, contact the Eisenhower Auditorium Ticket Center.

## Peruvian exhibits

"Planet Peru: An Aerial Journey Through a Timeless Land," an exhibition of photographs by Marilyn Bridges, and "Ancient Peruvian Ceramics," an exhibition of ceramic relics from the Palmer Museum of Art's permanent collection, open Tuesday, Oct. 25, and continue through Sunday, Dec. 18, in the Palmer Museum on the University Park Campus.

The 70-print exhibition is based on Ms. Bridges' book of the same title, and is a summation of her exploration of the Peruvian landscape begun in 1976 when she first photographed the Nazca Lines. She was the recipient of a Guggenheim Fellowship in 1982, a NEA grant in 1984, and a Fulbright Fellowship in 1988. Her photographs have been widely exhibited and are part of numerous permanent collections in the United States and Europe.

The ceramic items in the exhibit, "Ancient Peruvian Ceramics," are from the same geographic areas, and probably from some of the same sites, as those photographed by Ms.

strong, associate professor of music, will perform in concert at 12:10 p.m. Thursday, Oct. 27, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Featuring music written or transcribed for the keyboard percussion instruments, the ensemble will perform works by Saint-Saens and Mendelssohn. Two additional works for solo xylophone with marimba accompaniment will showcase the talents of two students majoring in percussion performance. Gary Yapple will perform "The Jolly Caballero" and Michael Hooper will play a theme and variations arrangement by Charles Owen of the familiar "Chopsticks."

The concert is free to the public.

## Jazz recital

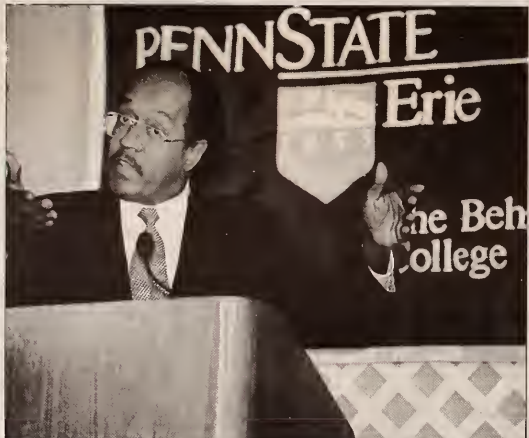
John Daniel, assistant professor of trumpet, will give a recital of jazz music at 8 p.m. Thursday, Oct. 27, in the School of Music Recital Hall on the University Park Campus.

The recital will feature compositions by Daniel, Anton Carlos Jobim,

## "Leading the Way"

William H. Gray III, president of the United Negro College Fund and President Clinton's special adviser on race, spoke recently at Penn State Erie, The Behrend College. His talk, "Leading the Way Into the 21st Century," kicked off Behrend's impressive speaker series that features such well-known figures as Dan Quayle, Gov. Douglas Wilder, Jean Kirkpatrick and Corey Feldman. The next event in the series is a debate on gay rights between Robert Knight, director of the Family Research Council, and William B. Rubenstein, with the national office of the ACLU. The event begins at 7:30 p.m. Wednesday, Nov. 2, in Erie Hall.

Photo: Courtesy of The Behrend College



Tuesday, Oct. 25, in the Eisenhower Auditorium on the University Park Campus.

The 80-piece orchestra will perform Franz Schubert's "Rosamunde" Overture, Alexander Glazunov's "Concerto for Alto Saxophone," and "Pictures at an Exhibition" by Modest Moussorgsky (orchestrated by Maurice Ravel). The orchestra will be under the direction of Pu-Qi Jiang, who also is music director of the Music at Penn's Woods summer festival orchestra.

Tickets are \$4 for adults; \$2 for

Bridges. The exhibit includes 70 plates, cups, figurative jars and whistling vessels that represent more than 2,000 years of ceramic production by numerous pre-Columbian cultures.

Several gallery talks are scheduled, and films about Peru will be shown in conjunction with the exhibits. For more information, contact the Palmer Museum of Art at (814) 865-7672.

## Mallet Ensemble

The Penn State Mallet Ensemble, under the direction of Dan C. Arm-

Duke Ellington and many others. Also performing will be members of the Centre Dimensions Big Band and Dan Yoder, associate professor of music.

The recital is free to the public.

## Museum lecture

David Rosand, professor of art history at Columbia University, will present a lecture on the painting of the Venetian artist Tintoretto titled "The Spirits in the Brush" at 8 p.m. Thursday, Oct. 27, in the Palmer Lipson

The United Way helps your Centre County neighbors every day.

# With

**A**

**MESSAGE FROM THE  
CAMPAIGN CHAIR**  
"With You," Penn  
Staters can  
make this com-  
munity a better  
place in which to

live by contributing to United Way. As chair of this year's University Park Campus United Way campaign, I've already experienced firsthand how we have helped those in need. "With You"—94 faculty/staff volunteers, plus a number of students—we participated in the first United Way Day of Caring by volunteering our time and energy to needed projects at various United Way agencies in Centre County.

Now we are approaching our annual campaign, where full-time employees here at University Park are asked to consider giving a financial contribution to support the work of United Way agencies.



We have an ambitious dollar goal of \$340,000, but with your help and the help of Penn State retirees and students, I am confident that Penn State's contribution to the overall county campaign of more than \$1 million will be successful.

We have a moral obligation to support our friends, neighbors and co-workers because Penn State represents the largest work force in the area, and also is involved in many of the agencies. The volunteer members of agency boards, and United Way itself, include Penn Staters.

In addition, thousands of Penn Staters benefit from United Way agency services each year.

Our "With You" campaign theme for this year strives to unite us all in the cause to make this community a better place in which to live. Our campaign efforts include information about United Way agencies and the people they serve. Please take the time to read about how United Way agencies help you and your loved ones and how you can participate. If you have any questions, I encourage you to ask them of your United Way volunteer, the Office of University Relations, or the Centre County United Way.

I am pleased to be leading this year's University Park campaign, and "with you," I know we can make this an even better place for all who live here.

**G. David Gearhart, Senior Vice President,  
Development and University Relations**

# You!



**United Way**  
THE PENN STATE CAMPAIGN

# United Way agencies help people cope with the unexpected

**ON CHRISTMAS EVE 1990, RON JACKSON AND HIS FAMILY HAD LITTLE REASON TO CELEBRATE.**

**Sudden illness, injury and other life-changing events can happen to anyone. When the unexpected happens, it's comforting to know there are resources available to provide support until we can cope on our own. The following stories illustrate how the Centre County United Way plays a part in helping people through uncertain times. The people involved—all Penn State employees—have received assistance from one of the 30 local human service agencies that receive financial support from the United Way.**



This United Way insert was produced by the Division of Development and University Relations. Contributing to this publication were Michael Beal, manager of development communications and special projects; William E. Campbell Jr., manager of internal publications; Larry Kruse, graphic designer; Karen Rugh, director of university relations; Beverly E. Engel, writer/editor; Karen Werge, publications specialist.

That day, Ron learned he had a life-threatening illness that would drastically change the course of his life over the next several years.

Around 11 a.m., Ron and his wife, Kym, were leaving the house to do some last-minute shopping when Ron suddenly experienced "pain like I'd never felt before in my life," the first sign that something was seriously wrong.

"I'd been having flu symptoms for a couple of months," said Ron, a police supervisor in the Department of University Safety, Police Services Division. "And it was flu season, so I saw no rea-

son. What followed were five long and agonizing months, during which Ron spent several weeks in Geisinger's critical care unit and underwent three major operations. Surgery and the intravenous administration of blood thinners caused his blood levels to drop dangerously low, making frequent transfusions necessary.

Ron's Penn State colleagues went into action, enlisting the help of the American Red Cross Centre Community Chapter to organize a special blood drive. More than 70 of his fellow law enforcement officers from the University, the state police and local borough and township precincts turned out to donate blood in his name.

A blood donor himself since age 18, Ron had always felt strongly about contributing in this way. But until he de-

to donate blood again, as a way of returning the help that was given to him. He also hopes his experience will help others realize the importance of supporting the United Way to ensure essential services will be there for all who need them.

"I'm so thankful the Red Cross gets support from the Centre County United Way, so they can help people in need, just like me," he said.

## IN FALL 1984, KAY MARSHALL WAS LIVING THE CAREFREE LIFE MOST COLLEGE STUDENTS LEAD.

It wasn't long afterward that the 21-year-old Penn State senior learned her goal of becoming an elementary art teacher would never be reached.

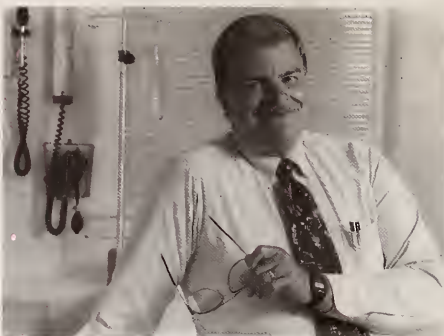
While reading one day, Kay noticed that her vision was slightly blurred. She didn't think it was anything serious, but nevertheless scheduled an appointment with an eye doctor, who delivered shocking news. Kay, who had been diabetic since age seven, suffered from retinopathy, a diabetes-induced disorder that can result in total blindness. Indeed, not much more than six months later, Kay's vision had completely disappeared.

Feeling helpless and overwhelmed by the speed with which she was losing her sight, Kay had no idea where to turn for support. Her roommate Diane heard about The Sight-Loss Support Group of Central Pa., Inc., a United Way agency, and suggested Kay attend a meeting.

"At that point, I still had some vision and was in total denial," Kay said. "I had some negative perceptions of blind people and didn't want to see myself that way. But Diane had a different perspective, and she set up a meeting with some people from the group. I'm glad she cared enough to make the effort."

The people Kay met were, she realized, not much different from herself; and they understood her frustration and fear. She quickly became involved in all aspects of the group, attending monthly meetings and taking advantage of the resources and referral services offered.

"Our focus is one of support and education," says Kay. "At some meetings, we have speakers who present topics of interest to the visually impaired,



Ron Jackson

son to go to the doctor. But that day I realized it was a lot more serious."

Ron was rushed to the emergency room at Centre Community Hospital, where he was diagnosed with acute pancreatitis. He was admitted immediately, but doctors were unable to determine the cause of his illness, and his condition steadily worsened. After 10 days, Ron was transferred to Geisinger Medical Center, where a battery of CAT scans and other tests confirmed the cause: a gallstone lodged in the passage between his pancreas and gallbladder.

pendent on the Red Cross's blood supply to save his own life, the significance of giving blood never really hit home.

"You never realize how important agencies like the Red Cross are until you need their services yourself," he said. "When that happens, you learn you can never take life for granted."

Indeed, Ron's illness has given him a renewed appreciation for life's simpler joys. Nearly three years later, he continues the slow journey to restored health, gradually resuming a normal activity level. Back at work in University Safety, he awaits authorization from his doctors



Kay Marshall with her guide dog, Kit

For Kay, the Sight-Loss Support Group opened up a world of possibilities. Not only has she learned to cope with her vision loss and lead an independent life, she has also gained tremendous satisfaction from helping others in the same situation. The group awarded her their Louise Rimmey Memorial Award in 1986 and the Volunteer of the Year award in 1991. Kay has served on the board of directors in many capacities, one of which is participating in United Way fund-raising activities.

Inspired by her experience as a volunteer peer counselor, Kay decided to pursue a master's degree in rehabilitation counseling and received her diploma in 1989. She now works as a disability services counselor at Penn State, a position in which she works with many visually impaired people like herself. Kay attributes her success in large part to the unwavering support of her fellow group members.

"They showed me that people who can't see aren't really different from anyone else, and that's what motivated me," she says. "I saw other people like me leading active lives, and I wanted to do the same thing. The Sight-Loss Support Group gave me a real sense that it was possible."

such as new medical treatments, safety issues, or how to arrange your kitchen or closet. At others, we simply talk and provide support for one another."

Community education is an integral part of the Sight-Loss Support Group's purpose. Members give presentations to schools and civic groups and provide demonstrations of adaptive equipment and aids for the visually impaired. The group also sponsors recreational outings, such as ice skating, miniature golf, swimming parties at the Lions Club and an annual trip to the Boal Barn Playhouse.

Christine and Rob Maslers with son Alek



## "WE WERE OVERWHELMED TO FIND OUT WE WERE HAVING TWINS,"

says Christine Masters, an adjunct assistant professor of engineering science and mechanics. Chris and her husband, Rob, a research assistant in the Applied Research Lab, expected their lives to change dramatically with the birth of their twins in January. But while they anticipated exhausting days and sleepless nights, nothing prepared the young couple for the news they received shortly after Alek and Sarah were born.

"About an hour later, my husband came in and told me the doctor had expressed concern about Alek and wanted to run some tests," Chris says. Shortly afterward, Chris and Rob learned their son had Down's syndrome, a form of mental retardation.

"It was pretty scary at first because we didn't know anything about Down's syndrome. I had never been around any children with Down's syndrome," Chris says. "Then the doctors gave us some literature, and the more I read and played with Alek, the more I realized it wasn't a tragedy."

The Masters' pediatricians recommended the services of the Infant Evaluation Program, a local United Way agency that provides comprehensive evaluation and in-home therapy for infants and toddlers experiencing developmental delays. A physical therapist and developmental teacher visit the Masters home every few weeks to work with Alek on enhancing motor skills, at-

tention span, cognitive development and social interaction. With their help, Alek gradually learned to sit up, crawl, grab a toy and follow a moving object with his eyes. In addition, they help Chris and Rob monitor Alek's progress and show them ways to encourage further development.

As Alek continues to grow, the Infant Evaluation Program will add speech and occupational therapy to help him achieve his full potential—and, hopefully, help fulfill Chris's dream of seeing Alek and Sarah attend school together when the time comes.

"My goal is to enroll Alek in an integrated inclusion program and have him included all the way through," she says.

In the past, Chris had only a vague perception of the United Way and its connection with agencies such as the Infant Evaluation Program. Her recent experiences have given her a heightened awareness of the importance of United Way support.

"I had no idea what the United Way was all about," she says. "All I knew was that they did charitable work and had a big fund-raiser every year. But I can see that the Infant Evaluation Program helps a lot of people, and that's only a fraction of what the United Way does. More people need to know about them and the good work they do."

With the help of people like Chris and Rob Masters, every day more Centre County residents are learning how the United Way makes a difference for their neighbors and friends.

# \$5,000

## Pepsi Cola Encourages Faculty/Staff United Way Support

Penn State and The Pepsi Cola Co. have formed another partnership, one that promises to yield significant benefits to the United Way campaign. Pepsi has made a challenge gift whereby it agrees to donate \$2 for every Penn State faculty or staff member who makes a gift to this year's effort, up to a total of \$5,000.

"At a time when community resources are stretched to their very limits, every dollar is critically important, and we appreciate Pepsi's generosity," 1994 Penn State campaign chair B. David Gearhart says. "Pepsi's willingness to support our United Way effort also makes it more important than ever for each member of our faculty and staff to consider participating in the campaign."

Andy Cross, vice president, customer development for Pepsi Cola Atlantic Coast, said, "We at Pepsi are pleased to make this contribution, through Penn State, to the United Way, and we hope that it will inspire others to participate in the campaign as well."

**With you and Pepsi Cola, we can make it work!**

## Penn State volunteers stress importance of United Way giving

Many civic-minded Penn State employees give their time and talents year-round and have a first-hand perspective of how crucial United Way support is for the agencies who depend on it.

Sandra Edwards, director of development in Continuing and Distance Education and a board member of Strawberry Fields, Inc., says she welcomed the opportunity to become involved with a community service agency.

"Most of my past involvements have been with arts-related organizations," she says. "My association with Strawberry Fields has given me a greater appreciation of human service organizations. The work they do is very progressive and important to the community, especially their thoughtful approach to the mentally retarded and mentally ill."

"During each campaign, I spend a great deal of time giving testimony to the impact the United Way makes on Strawberry Fields," she says. "I encourage people to give whatever they can because it really does make a significant difference."

Community service has always been a priority for William Asbury, vice president for student affairs. Among others, he has served as vice president of the Hemlock Girl Scout Council executive committee, vice chairman of Strawberry Fields, and was named Volunteer of the Year for Counseling Service, Inc., in 1991.

Like Edwards, Asbury appreciates the importance of United Way involvement, not just for specific agencies and individuals, but for the community as a whole.

"It's an efficient way to help meet the needs of fellow community members," he says. "The United Way serves the entire county, not just State College."

Jim Purdum, general manager of The Nittany Lion Inn and a board member for The ARC of Centre County, has a very personal reason for being involved: his daughter, Lena, participates in programs sponsored by both ARC and Easter Seals. He believes efficiency is a key advantage to contributing through the United Way.

"I don't know of an easier way to give to a more effective agency," Purdum says. "The United Way makes it so easy to make a difference for other people. I feel very strongly that we all have an obligation to pay our civic dues; it's not enough to go through life just taking care of your own needs."

## Summer camp provides learning experience for disabled children

Lena Purdum, left, with friend



For many children, the chance to attend summer camp is a dream come true. Thanks to the combined efforts of two Centre County United

Way agencies, that dream has become a reality for many local children with

disabilities, including 12-year-old Lena Purdum.

Lena, the daughter of Jim Purdum, general manager of The Nittany Lion Inn, was born with cerebral hypotonia, a genetic disorder causing multiple disabilities. Since 1990, Lena has participated in the summer day camp program co-sponsored by the Easter Seal Society of Centre-Clinton Counties and The

ARC of Centre County (formerly the Association for Retarded Children). And, according to her father, it's her favorite thing to do.

"Lena loves school, but starting the end of the school year she starts getting excited and talks about going to camp all the time," he says. "She's made a lot of friends that she looks forward to seeing every year. It's made a big difference for her to have that kind of experience."

Perhaps the best part of that experience is gaining a sense of independence, something many children with disabilities don't have, Sue Lounsbury, executive director of the local Easter Seals chapter, says.

"In most cases, the able-bodied child gets to do the fun stuff, while the disabled sibling has to stay home," Lounsbury says. "At camp, that situation is reversed. It's education-focused, but the number one priority is fun."

The two agencies joined forces in 1991, shortly after Lounsbury took over the administration of Easter Seals. Previously, both agencies had their own camp programs, each focusing on their participants' special needs. Lounsbury and ARC executive director Effie Jenks determined that a combined camp program would not only be more cost-effective, but provide a better learning and social experience for the children.

Day camp is held for six weeks each summer at the Unitarian Universalist Fellowship in State College. Camp director Sharon Pearson organizes a wide range of activities, from outdoor sports and games to quieter pursuits such as crafts and reading (based on each child's activity level).

For the older children, the summer's highlight is the annual two-night camping trip to Black Moshannon State Park. Under the director's guidance, the children organize all aspects of the trip, from deciding the menu and shopping for food to planning activities such as boating and nature walks.

"For many of these kids, it's their first time away from home," Lounsbury says. "It gives them a sense of responsibility, because they have to solve problems: for example, what will they do if it rains? It's a real learning experience for them."

Lounsbury feels strongly that United Way funding is essential for the summer camp and other programs provided by Easter Seals.

"The kids look forward to it; their families know they can count on their children being taken care of," she says. "They're depending on us, and we depend on United Way to make our services possible. Without it, they would not exist."

With you, agencies like Easter Seals and ARC can continue to make a difference for children like Lena Purdum.

## Employees give time and talents for Day of Caring

Ninety-four individuals, representing all levels of employment, students in the Department of Horticulture's Landscape Contracting class, the women's field hockey team and members of Alpha Sigma Phi fraternity volunteered their time and talents for the first Centre County United Way Day of Caring on Sept. 13. County-wide, more than 1,200 persons (including Bellefonte Area students) and area businesses completed 78 projects for United Way agencies in Centre County. The work accomplished saved agencies thousands of dollars and enabled them to complete projects that would have otherwise gone undone, or taken weeks or months to complete.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, October 20

Instructional Development Program, 11:45 a.m., 106 ASI Bldg. "Active and Collaborative Learning" with Larry Spence. To register, call 865-2599.

Back's Lunch, 12:10 p.m., Eisenhower Chapel. The Hi-Lo's from the Penn State Glee Club. Communications, 4 p.m., Carnegie Cinema. Edward Foust Memorial Lecture. Thomas McKinney on "The Reality and Vision of Cable TV Advertising."

The Faculty Staff Club Oktoberfest, 5:30 p.m., Fireside Room, Nittany Lion Inn. Open to club members and their guests.

Speech: Communications, 7 p.m., Schow Library Meeting Room. Students under the direction of Tony Lentz will perform "Scary Stories for Halloween." Also Oct. 22 at 2 p.m.

Center for the Performing Arts, 7:30 p.m., Grandfather Clock Lounge, Atherton Hall. Joan Myers Brown, Kim Bears, and Gwen-dolyn Coleman of the Philadelphia Danco Company on "Women in the Arts."

Engineering, 7:30 p.m., Assembly Room, Nittany Lion Inn. The Bowers Program presents Peter Shepherd on "What is Design."

Graduate Program in English, 7:30 p.m., 101 Kern. John McGowan on "Prolegomena to a Pragmatic Ethics."

### Friday, October 21

Penn State Lady Lion Volleyball Vs. Illinois. "Faculty and Staff Appreciation Night," 7:30 p.m. All faculty/staff and a friend will be admitted free with a staff I.D. card.

### Saturday, October 22

WPX-TV Open House, 11 a.m.-4 p.m., Wagner Bldg. Self-guided tours, and celebrities from the national PBS children's program "Storyline" will be performing throughout the day. Admission is free.

School of Music, 3 p.m., Recital Hall. Eileen Yarnison, flute.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Philadanco. Tickets required, call 863-0255.

### Sunday, October 23

School of Music, 3 p.m., Recital Hall. Ken Sarch, violin.

Central Pennsylvania Society Archaeological Institute of America, 4 p.m., 101 Kern. Norman Hammond on "New Light on the Ancient Maya."

### Monday, October 24

Comparative Literature, 12:15 p.m., 101 Kern Bldg. Gary Saul Morson on "Sideshow-ing: Time and Narrative."

DUS Conference, 1 p.m.-noon Wednesday. Oct. 26. The variety of environmental programs offered at the University will be the theme. For more information, contact Linda Clark, 865-0488.

Center for Adult Learner Services, 6 p.m., 329 Boucke. Jim Fay on "Investments and Retirement Plans." For more information call 863-3587.

### Tuesday, October 25

Electrical Engineering, 2:30 p.m., 62 Willard. Donald W. Levenson Memorial Lecture. Walter S. Cicoria on "Vision and Reality in Cable for the 90's."

Innovations: Films from Black America, 7 p.m., Paul Robeson Cultural Center. "Stirrings."

School of Music, 8 p.m., Eisenhower Auditorium. Penn State Philharmonic. Tickets required, call 863-0255.

### Wednesday, October 26



**Ancient vessel**

This double-spouted bottle with a mythical being motif (circa 300-500 A.D.) is part of an exhibition of ceramic relics from the Palmer Museum of Art's permanent collection. Titled "Ancient Peruvian Ceramics," the exhibit opens Tuesday, Oct. 25, and continues through Sunday, Dec. 18, in the museum on the University Park Campus.

Photo: Courtesy of the Palmer Museum of Art

Gender & Development in Two Kenyan Communities Workshop, 1 p.m., 202 Boardman Lab. Through Oct. 28. Contact Marlen Ramirez at 863-8015.

Political Science, 7 p.m., 104 Classroom Bldg. Film: "Harvest of Despair," with a panel discussion to follow. Shaver's Creek, 7 p.m. Halloween Trail Dress Rehearsal.

### Thursday, October 27

Gallery Talk, noon. Christofers Lobby, Palmer Museum. Mary Lindo on "Views of Ancient Peru."

Back's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Mallet Ensemble.

Child Care Program Services, 6:30 p.m., Nittany Lion Inn. Workshop led by "Including Young Children with Disabilities in Child Care Programs." To register call Janine at 865-5886.

Shaver's Creek, 7 p.m. Volunteers needed to help carve pumpkins for the Halloween trail.

School of Music, 8 p.m., Recital Hall. John Daniel, trumpet.

Art History, 8 p.m., Palmer Lipson Auditorium. David Rosand on "The Renaissance from Milan to Venice: Discoveries in the 15th and 16th Century Art of Northern Italy."

### Friday, October 28

Employee Benefits, 8 a.m.-4:30 p.m., Benefits Open House, 101 Kern.

Gallery Talk, 2:45 p.m., Christofers Lobby, Palmer Museum. Debra Greenleaf on "Classicism, Imperialism, and Paganism: Ancient Art at the Palmer."

Geography's Coffee Hour, 4 p.m., 319 Walk-

er Bldg. Wilson J. Moses on "W.E.B. Dubois Looks at Eastern Europe and the Soviet Union."

University Resident Theatre Company, 8 p.m., Playhouse Theatre. "The Grapes of Wrath." Through Nov. 5. Tickets required, call 863-0255.

Shaver's Creek, 7 p.m. Halloween Trail. Through Oct. 30. Tickets must be purchased in advance, call 863-2000.

Center for the Performing Arts, 8 p.m. Schiav Auditorium. Eugenia Zukerman, flute, and Anthony Newman, harpsichord. Tickets required, call 863-0255.

### Saturday, October 29

Gallery Talk, 2 p.m., Christofers Lobby, Palmer Museum. Jennifer Olson on "American Painting at the Palmer."

Shaver's Creek - Children's Magical Trail. Through Oct. 30. Tickets must be purchased in advance, call 863-2000.

School of Music, 9 p.m., Schwab Auditorium. Penn State Glee Club Homecoming Concert. Tickets required, call 863-0255.

### Sunday, October 30

Daylight Savings Ends

## PUBLIC RADIO

WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m. "Performance Today," Mon.-Fri., 9-11 a.m. "All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m. "Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m. "Living On Earth," Mon., 7 p.m. "Piano Jazz with Marion McPartland," Mon., 8 p.m. "Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

### Thursday, October 20

Ceramic Science, 11 a.m., 301 Steidle. Elizabeth Opla on "Durability of Silicon Carbide in Combustion Environments."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Louise Crane on "Four Dimensional Topological Quantum Field Theory."

Center for Russian and East European Studies, noon, 102 Weaver Bldg. Jurs Dragun on "Estoria and Latvia September, 1994: Problems, Progress, Prospects."

Physics, 3:30 p.m., 101 Osmond Lab. Thomas Ferber on "Search for the Top Quark and Other Studies with the D0 Detector."

The Leonard Center, 4 p.m., 122 E.E. East. Mark Wharton on "Leading Project Management Teams."

### Friday, October 21

Entomology, 11 a.m., 101 ASI Bldg. Alan Renwick on "Sensitivity to Allelochemicals Regulating Host Acceptance by Pieris Butterflies and Larvae."

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam. Rosemarie Nagel on "Experiments on the Centipede Game in Normal Form—An Investigation on Learning."

Accounting, 3:30 p.m., 333 Beam Bldg. A. Rashad Abdel-Khalik on "Performance Evaluation, Tenure and Compensation of CEOs in Different Labor Markets."

### Monday, October 24

University Libraries Seminar, 1 p.m., Tower Room 402, Central Patten Library. Penn State Libraries Catalog in LIS. Also Oct. 26 at 10 a.m.

Condensed Matter, 3:30 p.m., 339 Davey Lab. Dan Gauthier on "Synchronizing Chaos - The Next Step in Mastering Chaos."

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Lab. Adrian Conescu on "Path Symmetries of Covector Graphs and Conformal Field Theory."

Plant Pathology, 3:30 p.m., 110 Wartik Lab. Michael English on "Function and Structure of Ribosomal DNA and Evolutionary Relationships Within the Fungi."

### Tuesday, October 25

Particulate Materials Center, 11 a.m., ARB Bldg. Auditorium. Bernard North on "Carbides."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Diane Engell on "Situational Influences on Consumption."

### Thursday, October 27

Ceramic Science, 11 a.m., 301 Steidle. Mert Flemings on "New Directions for Materials Research and Education."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Thomas Thiemann on "Constructive Quantum Gauge Field Theory."

Physics, 3:30 p.m., 101 Osmond Lab. Samuel J. Williamson on "Magnetic Source Imaging (MSI) as a Probe of Cognitive Functions of the Human Brain."

### Friday, October 28

Entomology, 11 a.m., 101 ASI Bldg. Larry Elsworth on "1995 Farm Bill: How Will It Affect Production Agriculture As We Know It?"

See "Calendar" on page 16

## Awards

# Eberly College of science honors two alumni for distinguished service

Robert D. Minard and Mohamed R. Nouri have been named the recipients of the 1994 Eberly College of Science Alumni Society Distinguished Service Award, the alumni society's highest honor.

Established in 1979, the Distinguished Service Award is presented annually to individuals who have made exceptional service and leadership contributions to the college and/or its alumni society.

Dr. Minard, lecturer in chemistry and director of the Department of Chemistry's Mass Spectrometry Facility, was honored for "his many years of loyal service and devotion to the Eberly College of Science, for his inspiring teaching and advising, and for his continual support of the Eberly College of Science and the State College community."

Dr. Minard earned his bachelor's degree in chemistry at St. Olaf College in 1963 and his doctoral degree from the University of Wisconsin in 1968. An expert in molecular analysis by mass spectrometry, his research involves a diverse range of analytical problems, including chemical evolution, coal and fuel characterization, pesticide transformation products and their interaction with soil humic acids, structure elucidation of plant and insect natural products, and biopolymer analysis. He joined the University in 1973 as a lecturer in chemistry and director of the Mass Spectrometry Facility. In 1988 he was appointed director of the Organic Chemistry Instructional Laboratories.

Dr. Minard has given considerable effort to the revitalization of the organic chemistry laboratory instructional program, which involves five laboratory courses. Two of his major achievements have been the establishment of an undergraduate Chemistry Resource Center Instrument Room and changes in course structures to allow the hundreds of students taking organic chemistry each semester access to modern chemical instrumentation.

Since 1976 he has been the faculty adviser to the Nittany Chemical Society, the Penn State student affiliate chapter of



Robert D. Minard



Mohamed R. Nouri

the ACS. He has been an active "camp leader" in Chem Camp for Kids, an annual summer day camp whose goal is to excite 3rd to 6th graders about science.

He has served the State College community as a member of the local school board and as the organizer and event coordinator of the annual IronKids Mini Triathlon.

Dr. Nouri, professor of mathematics and science, technology, and society (STS) studies, is being honored for his contributions to the Department of Mathematics and the Eberly College of Science.

He earned his bachelor's degree with honors in mathematics at the University of London in 1972 and his doctoral degree in applied mathematics at King's College, University of London, in 1975. From 1975 to 1988 he was a professor of applied mathematics at Sharif University of Technology.

His research interests are in mathematical physics, systems, control, optimization, and neural networks. He is the organizer of an annual mathematics competition for high school students, workshops for mathematics teachers, and a lecture series on mathematical and interdisciplinary sciences and applications.

Dr. Nouri joined the Penn State faculty in 1988 as an associate professor in the department of mathematics at the Wilkes-Barre Campus; became professor of mathematics in 1991, and professor of Science, Technology, and Society Studies in 1993.

He was a Fulbright Senior Research Fellow at Princeton University from 1979 to 1980. From 1986 to 1987 he held a research fellowship from the Ministry of Education in Japan at the Research Institute for Fundamental Physics at Kyoto University. He received the Hayfield Award for Professional Development in 1989 and the Hayfield Award for Teaching Innovation in 1990. He is the founder and coordinator of the Newton Mathematical Society at the Wilkes-Barre Campus for northeastern Pennsylvania.

## Professor named "outstanding researcher"

Beverly A. Cigler, professor of public policy and administration in Penn State Harrisburg's School of Public Affairs, has received the Donald Stone Award of the American Society for Public Administration as the "outstanding researcher for distinguished scholarship on intergovernmental relations."

Dr. Cigler is the author of more than 125 publications on topics such as state/local relations, intergovernmental lobbying, alternative service delivery, intergovernmental cooperation, public finance, public authorities, growth management, emergency management, energy policy and infrastructure policy.

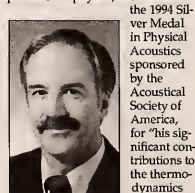
She recently was awarded a \$300,000 research grant from the U.S. Department of Agriculture to study multicommodity partnerships.

Dr. Cigler serves as chair of the Pennsylvania Municipal Management Institute, a joint effort of the Pennsylvania Department of Community Affairs and the Association for Pennsylvania Municipal Management, which offers professional development training for local government managers.

She joined the Penn State Harrisburg faculty in 1988. She holds a bachelor's degree from Thiel College and a master's and doctorate from Penn State.

## Physics professor earns national award

Julian D. Maynard, distinguished professor of physics, has received



Julian D. Maynard

the 1994 Silver Medal in Physical Acoustics sponsored by the Acoustical Society of America, for "his significant contributions to the thermodynamics of He II, Anderson localization,

nearfield acoustic holography and acoustic spectroscopy."

Dr. Maynard joined the University faculty in 1977 and was awarded the title of distinguished professor of physics in 1991. He received his doctoral degree in 1964 and his master's degree in 1968 from Princeton University.

## Canadian geography group cites work of associate professor

Deryck W. Holdsworth, associate professor of geography, has been honored with two medals for his contributions to the *Historical Atlas of Canada*.

The Royal Canadian Geographical Society honored Dr. Holdsworth and Donald Kerr with the Society's Gold Medal for their work as editors of volume III of the atlas at a formal reception in Ottawa. The medal is not awarded at any particular time, but is reserved to recognize truly outstanding achievement in the field of geography or a national or international event.

"The Historical Atlas of Canada project, with its three volumes, has set an important standard and benchmark — both domestically and internationally — in the evolution of

the disciplines of historical geography and cartography, and in the design and production of atlases," the society said.

The Council of the Royal Society of Canada also honored Dr. Holdsworth and the atlas project team with its Centenary Medal for the "landmark publication." In addition, he was singled out for a ceremony of the society "to recognize the particular role you played as one of its leaders," wrote the society president. The Centenary Medal honors individuals and organizations who make outstanding contributions to the goals of the society through exceptional achievements in scholarship and research.

## Doctoral research fellowship bestowed on graduate student

Leonard Springer, a graduate student in the College of Education's higher education program and a research assistant in the Center for the Study of Higher Education, has been awarded a AERA/Spencer Doctoral Research Fellowship from the American Education Research Association for the 1994-95 academic year.

The fellowship is intended to allow graduate students

to devote full time to their doctoral studies and to participate in a set of educational experiences that will enable them to become contributing members of the educational research community. It carries a stipend plus travel funds. Mr. Springer holds a B.A. degree in economics from Indiana University and an M.Ed. in higher education from Vanderbilt University.



## Awards

### Delaware County workers perform exceptional service

Eight maintenance division workers at the Penn State Delaware County Campus have received the John D. Vairo Service Award for "exceptional service to the well-being of the campus."

Honorees included technical service workers John D. Albany, Anthony DiGiantomasso, James Duffy, Terry Ernest, Gerald Layton, William Maun, and Leo McGlynn. Also honored was their supervisor, Kerry L. Wareham, assistant business services director.

Nomination for the award came from faculty and staff at the campus who noted the workers' efforts at keeping the campus free of ice and snow throughout last winter's storms, an effort which frequently entailed having them arrive on campus in the middle of the night at the height of the storm so faculty,

staff, and students could navigate the campus' roads and parking lots safely. After plowing, salting, and shoveling, they were still responsible for working their regular eight-hour day, in spite of having been up most of the night.

Campus Executive Officer Ed Tomesko presented the awards, which included a certificate and a \$100 check for each winner, at a campuswide meeting. He cited the recipients' attitude of "wanting nothing but the best for the campus" as a prime reason for their selection.

The John D. Vairo Service Award is named for the campus' first executive officer, who served for 20 years prior to his retirement in 1986. The award is presented by special prerogative of the current executive officer to recognize service beyond the norm.

### Staff assistant in H&HD honored for efficiency

Norma Woika, a staff assistant in the Nutrition Center, has won the 1994 Carol Clark Ford Staff Achievement Award from the College of Health and Human Development.

The award recognizes a staff member in the college who "creates conditions that assist, provide opportunity for, and make it easier for others to accomplish their objectives effectively and efficiently." The award was endowed by Donald Ford, dean emeritus of the former college of Human Development, in honor of his wife, Carol Clark Ford.

"Norma's administrative and secretarial skills play a major role in her success," wrote her colleagues in nominating her for the award. "But it's the way she relates to administrators, staff, students, and professionals that is most impressive."

Ms. Woika has been with the Nutrition Center since it first opened in 1974. During the past 20 years, she has balanced work requests from various nutrition instructors and the center's director, and she often uses her computer knowledge to train new graduate students on the Macintosh. She was the administrative assistant for the *Journal of Nutrition Education* when it was housed at the center, from 1982 to 1993.

Known for creating and maintaining a friendly and cooperative spirit at work, she often is called "the conscience of the center."



Norma Woika

### Scholarships earned by three undergraduate students

Three University undergraduate students have been awarded scholarships to study foreign languages and cultures abroad over the 1994-95 academic year by the National Security Education Program (NSEP).

"We are delighted that Penn State received three of the 11 NSEP scholarships awarded in Pennsylvania, especially as it was the first year of this nationally competitive award," Mary Gage, director of the Undergraduate Fellowships Office, said.

NSEP was established in 1991 to promote an in-depth understanding of foreign cultures to strengthen U.S. economic competitiveness and to enhance international cooperation and security. Now in its first year as a pilot program, the undergraduate awards allow students to increase their

knowledge of and competencies in less commonly studied languages and cultures.

Scholarship recipients are:

— Charles W. Hansford, a political science major from Fogelsville, is currently attending the University of Sao Paulo, Brazil, where he is studying Portuguese, politics, economics and history.

— Lawrence M. King, a visual arts major from Doylestown, will attend Kansai Gaidai University, Japan, where he will study Japanese culture, language and graphic design.

— Paul H. Saito, an international business major from Dublin, Calif., is currently participating in the Asian Studies Program also at Kansai Gaidai University, Japan.

### 25-year awards



Observing 25 years of service at the University are (from left to right) Janet Atwood, associate professor of exercise and sport science, in the College of Health and Human Development; Joyce Flynn, staff assistant, Office of Multicultural Equity Programs, in the College of the Liberal Arts; Louis F. Geschwindecker, professor of architectural engineering in the College of Engineering; Geoffrey J. Harford, director of admissions services and evaluation in the Undergraduate Admissions Office; George W. Schimmel, director of maintenance and operations, Office of Physical Plant; and James Winick, assistant to the dean and adviser in the Department of Labor and Industrial Relations, College of the Liberal Arts.



Observing 25 years of service at the University are (from left to right), Charles N. Claar, director of Facilities Management Programs in the Department of Architectural Engineering, and Jack H. Willenbrock, Bernard Hankin Professor of residential building construction, both in the College of Engineering; Doris Krumenacker, family living agent in Blair County, College of Agricultural Sciences; Stewart W. Elber, professor of marketing, John R. Ezzell, professor of finance, and Gerald I. Sussman, chair of the Department of Management and Organization, Robert and Judith Klein Professor of management, and director of the Center for the Management of Technological and Organization Change, all in The Smell College of Business Administration.



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**The United Way depends on Penn State people, like Bill, who generously volunteer their time and talents. Penn State faculty/staff are one of the most important sources of financial contributions on which the United Way depends. Please give. With you, we can make it work.**

THE PENN STATE CAMPUS

## Cahir

continued from page 4

access to honors sections. Their presence would enrich the entire student body."

Dean Cahir's research into student learning modes has had ample scope off campus as well as on. He and his wife Mary Anne, a development assistant in Liberal Arts, have four children. William majored in English at Penn State, graduating in 1990.

Then last May, Dean Cahir, as the presiding officer at commencement exercises in the College of Earth and Mineral Sciences, conferred his son Barton's degree in petroleum engineering.

The Cahirs also have two daughters, both of whom received degrees in science. Ellen was graduated from U.C.L.A. and Kathryn, from Harvard.

## Calendar

continued from page 13

Economics, 9 a.m., 260 Willard. Anne O. Krueger on "Complexity as an Economic Phenomenon."

### CONFERENCES

#### Thursday, October 20

Family Assessment and Intervention for School Psychologists, 50 attendees, The Penn State Scenicton.  
Pennsylvania Manufacturing Conference, 200 attendees, The Penn State Scenicton. Through Oct. 21.  
Alumni Nature and Wildlife Photo Symposium, 25 attendees, The Penn State Scenicton. Through Oct. 23.

#### Sunday, October 23

Health-Care Providers Conference, 180 attendees, The Penn State Scenicton. Through Oct. 24.  
Armstrong Management Program, 35 attendees, The Nittany Lion Inn. Through Oct. 28.

#### Monday, October 24

Managing Cover Crops for Increased Productivity, 200 attendees, Days Inn Penn State. Through Oct. 25.  
Workshop on Diesel Equipment in Underground Mining, 15 attendees, The Penn State Scenicton. Through Oct. 28.

#### Wednesday, October 26

Alumni Continuing and Distance Education Retreat, 30 attendees.  
Parenting and Early Adolescence, 75 attendees, Best Western. Through Oct. 27.

#### Thursday, October 27

Psychological Violence and Gender Role Conflict, 85 attendees, The Penn State Scenicton. Through Oct. 28.  
16th Annual Cooperative Vocational Education Conference, 100 attendees, The Penn State Scenicton. Through Oct. 28.

State, Urban, & Community Forestry, 200 attendees, Days Inn Penn State. Through Oct. 28.

#### Friday, October 28

Columbia Gas Distribution Companies, 70 attendees, The Penn State Scenicton. Through Oct. 30.

#### Sunday, October 30

Pennsylvania Junior Science and Humanities, 130 attendees, Days Inn Penn State. Through Nov. 1.  
National Symposium on Family-School Link, 120 attendees, The Nittany Lion Inn, Holiday Inn Penn State. Through Nov. 1.

Conrail Management Program, 35 attendees, The Nittany Lion Inn. Through Nov. 11.

### EXHIBITS

#### HUB Browsing Gallery:

Cara Judea Alhadeff's "Controversial Color Photography Exhibit." Through Oct. 23.

#### HUB Art Alley:

The Mifflin Juniata Art League will feature a large cross-section of local artists and various art forms, including photography, drawing and painting. Through Oct. 23.

#### Kern Art Gallery:

Navajo sand paintings by artist Storm Begay. Through Oct. 23.

#### Palmer Museum:

"Double Plots: Installation by Mary Ellen Carroll," through Dec. 11.

■ "Planet Peru: An Aerial Journey Through a Timeless Land," through Dec. 18.

■ "Ancient Peruvian Ceramics," through Dec. 18.

■ "Gifts to Celebrate the New Museum," through Jan. 22.

#### Pattie

#### East Corridor Gallery:

"Echoes of Light," photographs by Kyle Burkhardt. Through Oct. 31.

#### Rare Books Room:

Illustrated books from the 18th Century. Through Nov. 30.

#### Patterson Undergraduate Gallery:

Bill Stamos, BFA paintings. Through Oct. 28.

Emanuel Panglinton, BFA paintings. Through Nov. 11.

#### Zoller Gallery:

"Elastic Visions," through Nov. 5.

■ Reflects an international perspective

## Arts

continued from page 8

Auditorium of the Palmer Museum of Art on the University Park Campus.

The lecture continues the series "The Renaissance from Milan to Venice: Discoveries in the 15th and 16th Century Art of Northern Italy," sponsored by the College of Arts and Architecture Department of Art History and the Institute for the Arts and Humanistic Studies.

Dr. Rosand, one of the foremost scholars of Venetian art in America, received his Ph.D. from Columbia University and has taught at that institution since 1964. He has received fellowships from the American Council of Learned Societies, the Fulbright Travel Grant, the John S. Guggenheim Memorial Foundation, the National Endowment for the Humanities, and the Rockefeller Foundation in Bellagio, Italy.

The lecture is free to the public.

### Due to perform

Internationally renowned musicians Eugenia Zukerman, flauto, and harpsichordist Anthony Newman will perform at 8 p.m. Friday, Oct. 28, in Schwab Auditorium on the University Park Campus. The performance will include concertos by Bach, Haydn and Vivaldi.

Ms. Zukerman is the arts correspondent for CBS Sunday Morning and a published novelist as well as flutist. Mr. Newman, who has been performing for 27 years, is a virtuoso at the organ, fortepiano and harpsichord, and a master of improvisation.

For ticket information, contact the Eisenhower Auditorium Ticket Center.

### "Grapes of Wrath"

The University Resident Theatre Company continues its fall season with the production of the Tony award winning "The Grapes of Wrath," under the direction of David McClendon, at 8 p.m. Friday, Oct. 28, at the Playhouse Theatre on the University Park Campus.

"The Grapes of Wrath," written by Frank Galati, was adapted from John Steinbeck's Pulitzer Prize-winning novel. It is the tale of a poor family's struggle on their journey to California from their farm in the Dust Bowl of Oklahoma.

"The Grapes of Wrath" will continue through Saturday, Nov. 5. All evening performances will begin at 8 p.m. Two student review performances will be held at 8 p.m. Wednesday, Oct. 26, and Thursday, Oct. 27. A matinee will be presented at 2 p.m. Saturday, Nov. 5. For ticket information, contact the Arts Ticket Center.

### Homecoming Concert

The Penn State Glee Club will celebrate a quarter century of homecoming concerts with its 25th annual homecoming concert scheduled to begin after the Ohio State football

game at 9 p.m. Saturday, Oct. 29, in Schwab Auditorium on the University Park Campus.

This year's program will include highlights from the Glee Club's repertoire, with works by Handel, William Byrd, Benjamin Britten and Welsh composer William Mathias. The concert will also include English glee and folksongs performed by the Hi-Lo's and barbershop standards performed by the Varsity Quartet.

Tickets are \$6 for adults; \$2 for students and children. Tickets will be available at the door or by calling the Eisenhower Auditorium Ticket Center.

### Odyssey on WPSU

The concept of dialogics according to Bakhtin, and the way he perceives the dialogic nature of language to be intertwined within the carnivalesque tradition, are the topics of discussion on the next Odyssey Through Literature program, "A Dialogue with Many Mutes."

Guest Don Bialostosky, of the English Department, explains that "the focus of the dialogic nature of language is the attempt to restore any individual utterance back into the give-and-take, and to estimate the power of its remarks in that fuller context."

Odyssey Through Literature is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

### Pattee Library exhibits

"Echoes of Light," an exhibition of photographs by Kyle Burkhardt, is being held in Pattee Library's East Corridor Gallery through Oct. 31.

"Echoes of Light" represents a collection of concert and performing arts photography that Mr. Burkhardt has taken over the past four years. Some of the works were taken at Penn State while he was working as a staff photographer for the *Daily Collegian*.

Vincent Carducci is holding an exhibition of his paintings in Pattee Library's Lending Services Gallery through Oct. 31. Mr. Carducci paints in Pennsylvania and Maine, as well as other areas of America. His work is in a wide variety of private and corporate collections.

An exhibition of watercolors of Pennsylvania and the Grand Canyon by Sophie Richmond has been extended through Oct. 31 in Pattee Library's West Lobby Gallery.

"Illustrated Books from the Eighteenth Century" will be on exhibit in the Rare Books Room Oct. 13 through Nov. 30. The Rare Books Room, W342 Pattee Library, is open Monday through Friday, 8 a.m. to 5 p.m.



### Teeling off

President Emeritus Eric A. Walker practices his swing during dedication of the new Walker Clubhouse serving the needs of golfers on the Blue and White golf courses at University Park. Funding for the 5,700-square-foot facility was made available through a donation from Dr. Walker and his wife, Josephine.

Photo: Greg Grieco

## Penn Staters

Sridhar Komarneni, professor of clay mineralogy in the Materials Research Laboratory and the Department of Agronomy, recently gave two invited talks and two invited seminars. The seminars:

"Novel Microwave-Hydrothermal Synthesis of Ceramic and Metal Powders," was held at the Indian Institute of Technology, Madras, India, and "Sol-Gel Processing of Electroceramics" at the Swiss Federal Institute of Technology in Lausanne, Switzerland. The talks: "Single Phase and Diphasic Aerogels and Xerogels of Mullite: Mechanism of Crystallization and Densification" in Irsee, Germany, and "Nanocomposite porous Materials" at the Associated Cement Companies Ltd., Bombay, India.

Rustum Roy, Evan Pugh Professor of the solid state, and founding director of the Materials Research Laboratory, has been honored by the American Society for Materials as its annual Alpha Sigma Mu Lecturer.

Shiriki Kumanyika, professor of epi-

demiology in the College of Medicine at The Hershey Medical Center, has been appointed to the Dietary Guidelines Advisory Committee. The 11-member committee of nutrition experts will review the 1990 edition of *Nutrition and Your Health: Dietary Guidelines for Americans* and determine if, on the basis of current scientific and medical knowledge, revision is warranted at this time. If so, the committee will develop recommendations for revisions in a report to the secretaries of Health and Human Services and Agriculture.

Brian Tormey, associate professor of environmental science at the Altoona Campus, was an invited speaker at the two-week long National Association of Geology Teachers and the Quaternary Geology and Geomorphology Division/Geological Society of America Field Seminar in Iceland. He also coordinated the event, and his report, "NACT Builds for Education," has been published in *GEOTitles*.

# BOOK SHELF

T. Reed Ferguson, vice president emeritus of public affairs, is the author of *The John Couper Family at Cannon's Point*, published by Mercer Press.

Drawing upon original historical documents both in the United States and Scotland, the book chronicles the life of John Couper (1759-1850), a St. Simons Island, GA, plantation owner renowned for his humane treatment of his slaves, his bold horticultural experiments, his lifelong civic service, and his far-reaching generosity.

*The John Couper Family at Cannon's Point* focuses on coastal Georgia life in the years between the Revolutionary War and the American Civil War and concludes with the decline of the Couper plantation, Cannon's Point, as a result of the Union occupation of Georgia. It also addresses numerous issues such as agriculture, entertainment, slave life, education, commerce, and social and religious community life.

Mr. Ferguson, a 1926 Penn State graduate, served in various capacities at the University from 1946 until his retirement in 1975. Now a resident of St. Simons Island, he is a former board member of the Georgia Humanities Council and the Coastal Georgia Historical Society.

Thomas Griffiths, affiliate associate professor of physical education in the College of Health and Human Development and director of aquatics for Intercollegiate Athletics, is the author of *The Complete Swimming Pool Reference*.

The book is written for people who own, operate, or work at swimming pools, including life guards, pool operators and managers, swimming and diving coaches, swimming instructors, and residential pool owners. The text combines technical aspects of pool operations with the practical information typically found in water safety texts.

The 24 chapters cover such topics as the basic physical components of swimming pools, water chemistry, first aid, legal liability and risk management, hot tubs and spas, and water parks. Review questions and answers are included for each topic. The appendix includes a glossary and safety guidelines.

The book is published by Mosby Lifetime.

Milton Hallberg, professor of agricultural economics in the College of Agricultural Sciences, is co-editor of *Food, Agriculture, and Rural Policy into the Twenty-First Century: Issues and Trade-Offs*, published by Westview Press.

The book offers recent information concerning a wide array of fundamental issues expected to be part of the upcoming debate over the 1995 Farm Bill; reviews diverse policy approaches for dealing with the issues, and assesses trade-offs among the alternatives.

"As policy decisions are crafted, compromises will need to be made among the interests of many different people, from farmers to environmental activists," Dr. Hallberg said. "Our policies need to accommodate these trade-offs in an economically sound and socially acceptable manner."

Other co-editors are Robert G.F. Spitz, pro-

fessor of agricultural economics at the University of Illinois, and Darryll Ray, professor of agricultural economics and rural sociology at the University of Tennessee.

"Each chapter in the book focuses on a current or emerging public concern that is likely to be a focus of attention in 1995 policy," Dr. Hallberg said.

"We hope the book will be a valuable guide for lawmakers, agricultural educators, agricultural and food industry leaders and interest groups concerned about the future of agriculture in the United States."

M. Kathleen Held, associate professor of education in the College of Mathematics, education, and Glendon W. Blume, associate professor of education, are among the contributing authors of *Concepts in Algebra: A Technological Approach*, published by Jansen Publications, Inc.

*Concepts in Algebra* is a technology-intensive approach to developing an understanding of fundamental algebraic ideas in realistic settings and real world situations. The focus of the curriculum is conceptual rather than procedural knowledge, replacing symbolic manipulation with mathematical models and representation, variables and function, and symbolic reasoning. The mathematical models are designed to alert students to the limitations in the application of their use in real life situations.

The text uses multiple representations to expand the students' algebraic reasoning. This use of graphic, numerical, and symbolic representations of functions allows the students' understanding of fundamental concepts of functions to grow. *Concepts in Algebra* also emphasizes skills requiring written communication about mathematics, which in turn will enhance conceptual knowledge.

Donald S. Kenkel, assistant professor of economics, is co-editor of *Valuing Health for Policy*, An Economic Approach, published by the University of Chicago Press.

The book brings together classic and up-to-date research by economists and public health experts on theories and measurements of health values, providing useful information for shaping public policy.

"The volume examines various models of health valuation, including the cost-of-illness, preventive-expenditures, and quality-adjusted-life-year approaches," Dr. Kenkel said, noting that the authors favor a willingness-to-pay approach grounded in individual preferences.

Addressing a range of health issues, from the common cold and headaches to life threatening illnesses, *Valuing Health for Policy* provides economists, health professionals, and policy makers with the most sophisticated ways of determining the value of health.

In addition to editing the volume, Dr. Kenkel authored or co-authored eight chapters. Co-authors of the volume are George Tolley, professor of economics and director of the Center for Urban Studies at the University of Chicago, and Robert Fabian, research associate at the University of Illinois at Chicago.

E. Willard Miller, professor of geography and associate dean emeritus, College of Earth and Mineral Sciences, is co-editor of *Biological Diversity: Problems and Challenges*, published by The Pennsylvania Academy of Science.

The volume stresses how man is altering the global environment and as a consequence we are

losing plants and animal species at an accelerating rate.

The 34 chapters of the volume are divided into four parts: definitions; monitoring of policies, changes and impacts; rationale and implementation programs to maintain and increase biodiversity, and case studies. Faculty from Penn State contributing chapters include Jay R. Stauffer, School of Forest Resources; Harry N. Cunningham and Edwin C. Masteller, Penn State Erie, The Behrend College.

"No subject loses more in teaching by divorcing it from its history as does mathematics," Frank Swetz, professor of mathematics and education at Penn State Harrisburg, says.

Dr. Swetz has written a trilogy of works designed to help teachers learn about the history of math and its use in teaching. Earlier this year, his *Learning Activities from the History of Mathematics* was released by Weston Welch Publishers. It is a resource manual of activities and information designed specifically for secondary school teachers. The centerpiece of his trilogy is *From Five Fingers to Infinity: A Journey Through the History of Mathematics*, released by Open Court Press.

The 704-page effort tells the story of the history of mathematics in the form of 114 articles, organized in a chronological and thematic manner and edited by Dr. Swetz.

Among the features of this volume are:

- A multicultural treatment with consideration of the mathematical accomplishments of traditional peoples of the Americas and others.

- Actual translations from early and epoch-making math texts.

- A review of Babylonian math achievements.

- A sensitivity to the social and cultural context of math endeavors.

Late this fall, Dr. Swetz's *Learn From the Masters* will be published by the Mathematical Association of America. The book carries the same theme, but is addressed mainly to university instructors.

Jean-Claude Vuillemin, associate professor of French literature, is the author of *Baroqueism at the Theatre of Jean Rotrou*, published by PFSCL-Biblio 17 (Tübingen-Paris-Seattle). Drawing from a phenomenological stance integrating semiotics of drama and intellectual history, the book deals with the problematics of the baroque *épistémè* and reflects upon theatricality through an analysis of self-referentiality in the dramatic and performance texts of a contemporary of Pierre Corneille, the playwright Jean Rotrou (1609-1650), whose reputation has greatly benefited from the recent infatuation of the French with baroque aesthetics.

A true homage to the delights of illusion and to the indubitable power of dramatic art, Rotrou's plays constantly underline their own genesis through their twists, tricks and devices. Far from constituting a criticism against the pernicious double-game of appearances and reality, Rotrou's theater invites the reader/spectator to go beyond existential complexity through the marvels of successful *mises-en-scène*.

In its conclusion, the book urges critics and practitioners of the stage to collaborate in designing a pragmatics of theatrical communication which could lead to a valid theory of staging French drama from the age of Richelieu and Louis XIII, to the end of the 20th century, the reign of Jack Lang and Jacques Toubon; that is, the coming of the age of postmodernism, this simulacrum of the baroque.



## All gold that glitters is not the same

Researchers turn to the shiny stuff for its low-temperature catalytic abilities

The search for gold initiated conquest of the new world, mass migrations to California and the Yukon, as well as murder and intrigue, but from a chemist's viewpoint, gold is generally considered an inert unreactive element that initiates few reactions.

"We were surprised to find gold as an active catalyst," Albert Vannice, distinguished professor of chemical engineering, said. "Chemists and chemical engineers generally would not think of gold when looking for a low-temperature catalyst."

Dr. Vannice and graduate student Mark Bollinger are looking at a titanium oxide and gold catalyst that converts carbon monoxide to carbon dioxide.

"The really interesting thing about this combination of gold and titanium oxide is that it acts as a catalyst at room temperature and below," Dr. Vannice said.

Carbon monoxide is a product of inefficient combustion and is also formed when carbon dioxide, used in some scientific equipment, breaks down. With more efficient, and consequently more well-sealed homes and office buildings being built, carbon monoxide buildup could become a problem.

"There may be some interest in removing carbon monoxide from the air in offices and homes, especially in situations where the volume of air exchanged to the outside is not great," Dr. Vannice said. "NASA is interested in the process for use on enclosed space stations where carbon monoxide buildup is problematic."

One area where a low-temperature conversion method would be very helpful is on NASA weather satellites that contain carbon dioxide lasers. The useful life of the satellite is determined by the life of the laser, as the carbon dioxide in the laser continuously breaks down into carbon monoxide.

Another application for the catalyst would be in removing carbon monoxide from oxygen manufactured for industrial use.

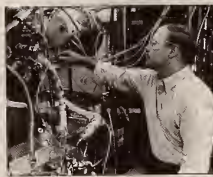
"The small amount of carbon monoxide in this oxygen is very difficult to remove," he said. "If it could be converted to carbon dioxide, it could easily be removed."

The titanium oxide and gold catalyst work when the carbon monoxide, along with a source of oxygen, is passed through the catalyst. The oxygen source can be air or commercially available oxygen.

Simply plating gold onto titanium dioxide will not produce a low-temperature carbon monoxide catalyst. The researchers dissolve gold chloride in water and add the solution to the porous titanium oxide powder.

Hydrogen gas then reduces the gold compound so that minute specks of gold are deposited on the titanium oxide. It is these tiny gold particles that facilitate the carbon monoxide to carbon dioxide conversion.

"We don't completely understand what is happening, but it is very different than what happens with bulk gold, which is no reaction at all," Dr. Vannice said.



**Dr. Vannice and graduate student Mark Bollinger are looking at a titanium oxide and gold catalyst that converts carbon monoxide to carbon dioxide.**

nice said. "There seems to be a synergistic effect between the tiny gold crystallites and the titanium dioxide."

Gold, similarly deposited on silicon dioxide, has little catalytic effect, but other researchers have found similar effects with certain other oxides.

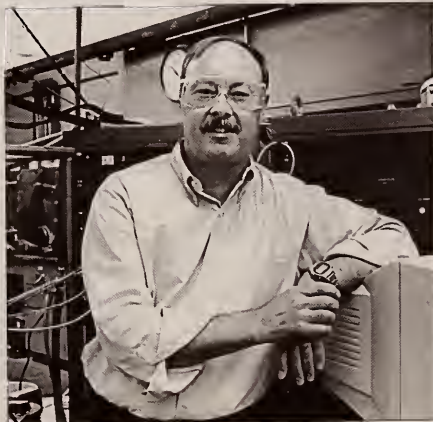
"What we think is happening with the titanium oxide and gold catalyst is that the titanium oxide is migrating onto the gold and forming oxygen vacancies where the reaction can take place," Dr. Vannice said.

One thing the researchers have found is that water can deactivate the catalyst. Drying a wet titanium oxide and gold catalyst does not reactivate its catalytic ability.

The researchers are considering a variety of reaction mechanisms that could account for the reaction, but to date, have not been able to winnow the possibilities down to a single unambiguous mechanism.

Dr. Vannice said that because carbon dioxide is relatively inexpensive, conversion of carbon monoxide in typical industrial equipment where carbon dioxide breakdown occurs would not be cost-effective. However, in any remote or inaccessible installation where replacement of the carbon dioxide is difficult, this catalytic process could lengthen the life of carbon dioxide-dependent equipment.

—A'ndrea Elyse Messer



Albert Vannice, distinguished professor of chemical engineering, in his testing lab.

Photo: Greg Gricco

## Research

### Roundup

Mine's okay, yours isn't

Most Americans think their own community water supply is safe, although they view national water quality problems as serious and getting worse.

In addition, they see industry as the major culprit in water pollution and are reluctant to acknowledge that their own activities threaten water quality.

This "I'm Okay, You're Not Okay" attitude is one of the key findings gleaned by University researchers from a review of more than 500 sources of information on what Americans think about fresh water quality, quantity, and availability.

Ann Fisher, senior research associate, Department of Agricultural Economics and Rural Sociology, Robert E. O'Connor, associate professor of political science, and Richard Bord, associate professor of sociology, are the principal investigators on this project conducted through the Environmental Resources Research Institute.

Other findings of the study:

▼ Water quality ranks high among people's environmental concerns, but logs behind concerns about the economy, crime and drugs.

▼ Water quality concerns are closely linked to perceived health risks of hazardous chemical wastes.

▼ Water quality is not an issue in most communities.

▼ Most people don't know much about what affects water quality.

▼ Easterners worry about water quantity only during droughts or floods.

▼ Water is a more pressing issue for westerners, but they don't understand the realities of water in their own region. They think industry and homeowners use the most water (agriculture does), and water is on entirely renewable resource (it isn't).

## Higher price tag for not paying cash

Homebuyers who take out mortgages rather than dropping down cash should expect to pay for putting the seller or risk, a University expert found in a recent study.

"In mortgage contingent sales, sellers face the possibility of suffering losses from holding onto property longer than expected if buyers cannot obtain financing," Kenneth M. Lusht, chair of the Department of Insurance and Real Estate in The Smeal College of Business Administration, said.

In a study of data from 1989 on the sales of 200 Allentown, Pa. row houses, Dr. Lusht found that mortgage contingent sales produced an average price premium of about 16.5 percent more than sales for cash.

# INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

## Basketball preseason practice

Preseason practice for both the men's and women's basketball teams got under way on Saturday, Oct. 15. On the men's side, Coach Bruce Parkhill welcomes back nine lettermen from the team that finished 13-14 a year ago and finished in an eighth place tie with Ohio State in the very competitive Big Ten Conference. The centerpiece of this year's team is 6-foot-11 John Amaechi, a two-time All Big Ten third team selection, who averaged a team-high 16.9 points and 8.9 rebounds a year ago. He is a returning first team Academic All-America who recently won the national Anson Mount Scholar-Athlete Award as the top student-athlete in Division I basketball. Rene Portland's Lady Lions are hopeful of repeating last year's Big Ten championship and return to the NCAA postseason tournament with a 13th time edition, three of them starters on last winter's 28-3 squad.

With the opening of the Jordan Center just a year away, now is the time for interested Penn State cage fans to have their names added to the basketball waiting list for tickets to home men's and women's games. To do so write to the Athletic Ticket Office, 1 Beaver Stadium, University Park, PA 16802.

## Women's soccer and volleyball

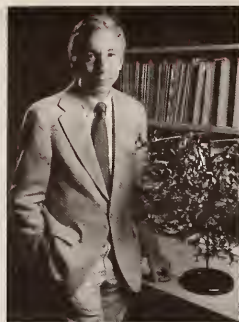
The women's volleyball and soccer teams both have home games scheduled during Penn State's Homecoming Weekend. Coach Russ Rose's defending Big Ten champions will be home to Minnesota on Friday evening in Recreation Building and to Iowa on Saturday night. The over-achieving women's soccer squad will entertain Northwestern at Jeffrey Field at 7 p.m. Friday, Oct. 28.

## Tennis addition

Christian Appleman, a former two-sport letterman for the Nittany Lions, is a recent addition as professional at the Penn State Tennis Center and restricted-earnings coach for both the men's and women's tennis squads. A three-time letterman in basketball, he also was a member of Penn State's 1986 Atlantic 10 Conference men's tennis championship team. He was a multi-sports star at Williamsburg, Pa., High School before entering Penn State.

## Notebook

Penn State tied Brown for the No. 5 spot in the recent ECAC fall tennis championships at Princeton. Coach Jan Bortner's team was seventh-seeded entering the event...The ECAC fall women's tennis and golf championships will be held at Penn State the weekend of Oct. 21-23.



## Sciences

continued from page 1

of Sciences, a Fellow of the American Association for the Advancement of Science, and a member of the American Academy of Arts and Sciences.

Dr. Benkovic is the third Penn State faculty member, and the first member from the University Park Campus, elected to the Institute. The others are Dr. Howard E. Morgan, Evan Pugh Professor emeritus of medicine at The Hershey Medical Center, and Dr. William S. Pierce, Evan Pugh professor of surgery at the medical center.

Stephen J. Benkovic

## Big Ten blood donor challenge pits Penn State against Michigan State

Be part of an exciting new tradition this November with your pint of blood.

The American Red Cross, with the University, has joined in a partnership with the American Red Cross Great Lakes Region and Michigan State University, to introduce a new blood challenge — the Penn State-Michigan State Blood Donor Challenge.

The challenge will kick off at University Park on Monday, Nov. 7, and run through Thursday, Nov. 17.

"The underlying purpose of the blood challenge is to help ensure adequate blood inventories for patients in need of blood products the final six weeks of the year," Connie Schroeder, campus coordinator for the Johnstown Regional Blood Services of the American Red Cross, said.

"This is a time when blood supplies decline, yet the demand for blood remains constant. This event helps meet that demand."

The winner of the contest will be announced at the Penn State-Michigan State football game, held at University Park on Nov. 26. The school collecting the most blood over the designated period will

receive a plaque.

Each school has a goal of 1,850 pints of blood, which amounts to less than a three-day supply of blood for patients served by the Johnstown region.

Joe Paterno serves as honorary chairman of this year's event. Donors must weigh at least 105 pounds and be in good health, and 56 days are required between donations. Call the Red Cross at 1-800-54-BLOOD for details.

Blood drive schedule follows:

Date	Location	Time
11/7	Waring	1-7 p.m.
11/8	Pollack	1-7 p.m.
11/9	Atherton	1-7 p.m.
11/9	Wamock	1-7 p.m.
11/10	Findlay	1-7 p.m.
11/11	Simmons	1-7 p.m.
11/14	Kern	10 a.m.-4 p.m.
11/15	HUB	10 a.m.-4 p.m.
11/16	HUB	10 a.m.-4 p.m.
11/17	HUB	11 a.m.-5 p.m.

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## PENNSTATE INTERCOM

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Kathy Norris, staff assistant/calendar

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# INTERCOM

October 27, 1994

Volume 24, Number 11

## University enrollment numbers rise in 1994-95

Penn State's total enrollment has increased by 273 students, from 68,553 last year to 68,826 in fall 1994. The numbers include students at all levels (from freshmen through doctoral students) across the University's 22 campuses.

Enrollment of freshmen increased at an even faster rate than total enrollments — by 507 freshmen or 5.5 percent across the University. Freshmen enrollments grew 3.8 percent at the 17 Commonwealth Campuses, from 5,274 last year to 5,474 this fall. At the University Park Campus, freshmen enrollments are up by 6.9 percent, from 3,450 to 3,687. At Penn State Erie, The Behrend College, freshmen enrollment grew by 70 students or 12.9 percent, from 544 to 614.

Minority student enrollment at the University has grown fastest, however, increasing by 7.3 percent to an all-time high of 6,086, up from 5,672 last

year. Minority students — African-Americans, Native Americans, Hispanics and Asian-Americans/Pacific Islanders — now make up 8.8 percent of Penn State's student body, compared to 8.3 percent last year.

"We've worked very hard this past year to improve the University's enrollment situation," President Thomas, said. "While this year's upturn is gratifying, we have much more work ahead of us to ensure that all Penn State campuses are able to enroll the optimal number of high quality students."

"Enrollment involves more than recruiting a freshmen class, as important as that is. It also involves efforts to retain current students, so that they continue through graduation. And student aid is an increasingly important part of both the recruitment and retention process. We are focusing special attention on all of these areas."

and are making progress thanks to the efforts of many at Penn State.

"We are especially pleased with the significant increase in minority students this year, which is an area of continuing importance to us. We will

continue to place high priority on both the recruitment and retention of minority students across the University."

See "Enrollment" on page 3

### TOTAL CREDIT ENROLLMENT BY CAMPUS

	Fall 1994	Fall 1993	Change
University Park	38,219	37,588	631
Penn State Erie, The Behrend College	3,090	3,240	(150)
Penn State Harrisburg	3,628	3,549	79
Penn State Great Valley	1,194	1,247	(53)
Hershey Medical Center	579	574	5
Commonwealth Campuses	22,116	22,355	(239)
<b>TOTAL</b>	<b>68,826</b>	<b>68,553</b>	<b>273</b>



### Fluid movements

Penn State International Dancer Jane Seigenold (left) practices the Philippine dance of *Binusuan*, "the water dance," with fellow dancers Anita Madhav (center) and Cara Shapiro. The Penn State International Dance Ensemble will be performing various ethnic and folk dances at the Mediterranean Festival on Nov. 13 in the HUB Fishbowl on the University Park Campus. This photo was taken by Bean Ward, a student in the photojournalism class, COMM 269.

## New computer system allows easier student access

The good news about the University's new OASIS computer system is that students can use it to look at class schedules, grades and unofficial transcripts, and even update their local addresses. The bad news is that they can't use the system to change all their grades to As.

OASIS, which stands for Open Access to Student Information Systems, currently is available on 370 terminals University-wide. The system is operating at the University Park Campus on a dedicated workstation in the Shields Building; on six workstations in the Hetzel Union Building, and on publicly available Macintosh terminals in all microcomputer labs run by the Center for Academic Computing. It's also up and running on a workstation in the library at the Schuylkill Campus and on terminals in student microcomputer labs at Penn State Erie, The Behrend College, and at the Altoona, Great Valley and Harrisburg campuses.

The system allows students to:

- view class schedules, grade reports and unofficial transcripts;
- verify home and emergency information, and update local address information;
- look at course descriptions and

See "Computers" on page 3



## DIVERSITY

# A dozen professionals take part in Humphrey Fellowship

Twelve mid-career professionals from developing countries are at Penn State this year as 1994-95 Hubert H. Humphrey Fellows for advanced study and professional, work-related experience.

The Hubert H. Humphrey Fellowship Program was established in 1976 to provide professional training, develop long-term contracts and facilitate the understanding of U.S. management technology and processes as well as an appreciation for U.S. culture. Penn State, one of 15 universities in the program, has hosted 117 fellows from 61 countries from Africa, Asia, the Caribbean, the Middle East and Latin America. The University's program is housed in the Graduate School for Public Policy and Administration.

The program, sponsored by the United States Information Agency and administered by the Institute of International Education, selects about 185 fellows each year on the basis of their potential for national leadership. The fellows act as a community resource for area businesses and educational or ser-

vices programs, and are available to give presentations and lectures and be advisers to regional study groups.

As part of their training at Penn State, the fellows take academic courses, and are matched to University offices, local businesses or local government offices in their area of interest. They also visit federal, state and local public and private organizations and attend seminars and conferences.

The 12 fellows studying at Penn State, their study interests and their faculty mentors are:

■ **Joan E. Pinder-Turnquest**, personnel officer, Water and Sewerage Corporation, Bahamas, human resource management, and industrial relations; **Robert Maney**, manager, Employee Relations, Office of Human Resources; the State College Water Authority;

■ **Md. Moshir Rahman**, deputy director, Department of Narcotics Control, Ministry of Establishment, Bangladesh, local government; **Peter Marshall**, manager, Borough of State College.

■ **Eng Ou**, vice director of faculty,

Ministry of Education, Cambodia, school administration and policy, education planning, and computers; **William Opdenhoff**, superintendent, State College Area School District, and **J. Daniel Marshall**, associate professor of education.

■ **Yusef Salim Ibrahim El Nabahin**, clerk accountant, UNRWA-Gaza, Gaza, public administration, budget and financial management, and computers; **Tom Bickett**, director, Centre County Community Foundation; **Eleanor Beaver**, director, Centre County United Way, and **Virginia Brown**, American Red Cross.

■ **Maria E. Novjanti**, administrator,

Atma Jaya Catholic University, Indonesia, educational administration, and planning and evaluation in human resources; **Horst von Dorpowski**, assistant to the dean, College of Education.

■ **Puleg Molefe**, principal manager, services officer, Ministry of Public Service, Lesotho, organization analysis and operations management; **Tom Hall**, lead classification analyst, and **Sally Small**, assistant director, Human Resources.

■ **Sorle Ndigi Dumbuya**, special assistant to the vice chancellor, University of Sierra Leone, Sierra Leone, financial management of U.S. universities; **Patricia Book**, associate vice president for Continuing & Distance Education.

■ **Albert Machimana**, director of Regional Services, South Africa, manager, skills, supervision, and leadership; **Dr. Opdenhoff**.

■ **Karin Hanna**, head, Seconding Department, Ministry of Education, Syria, policy analysis and management and education planning; **Charles Schroen**, director, Intensive English Communication Program.

■ **Abdulla M. Abula**, deputy principal secretary, Ministry of Education, Zanzibar, Tanzania, planning and resource management and policy formulation and analysis; **Dr. Opdenhoff**.

■ **Kaveinga Tu'itahi**, secretary to the board, Tonga Electric Power Board, Tonga, public administration, policy analysis and organization development; **James Steff**, director, Centre Region Council of Governments; **West Penn Power**.

■ **Valeriy Olegovich Zavertyaev**, project manager and educational researcher, Higher Vocational College, Uzbekistan, systems for educational planning, curriculum planning, and accreditation and licensing procedures in education; **Kenneth Gray**, associate professor of vocational education.

The program honors the memory and accomplishments of Hubert H. Humphrey, U.S. senator from Minnesota for 27 years and vice president of the United States from 1965-69.

For more information or to contact a Humphrey Fellow for a community program, please call Syedur Rahman or Robert Lee, Humphrey Fellowship Program co-ordinators, or Amy Miller, assistant coordinator, at (614) 865-0436, or stop by the program office in N243 Burrows Building.

## Borough manager honored

State College Borough Manager Peter S. Marshall has a long history with the Humphrey Fellows. He helped establish the partnership between Penn State and the borough that led to Penn State's participation in the Hubert Humphrey Fellowship program six years ago, and continues his association with the program as a mentor for Humphrey Fellows at universities across the country.

The International City Managers Association recently honored Mr. Marshall with the 1994 International Award in honor of Orin F. Nolting for furthering the cause of international understanding and cooperation through exchanges and educational activities that resulted in innovative, concrete management improvements. Specifically, he was honored for his contributions to city management in more than 46 Latin American, African and European countries.

He is now working with the manager of the fifth largest city in Tanzania on complex city planning issues, among other projects. Mr. Marshall also serves as a professional mentor for the American-African Foundation Fellows and the Harvard International Development Fellows.



The Humphrey Fellows and program coordinators, starting with front row from left to right, are: Eng Ou, Maria E. Novjanti, Puleg Molefe, Yusef Salim Nabahin, Albert Machimana, second row, Joan E. Pinder-Turnquest, Sorle Dumbuya, Valeriy Zavertyaev, Karin Hanna, Abdulla M. Abula, third row, Kaveinga Tu'itahi, Syedur Rahman, program coordinator, Amy Miller, assistant coordinator, Md. Moshir Rahman and Robert Lee, program coordinator.

## Center for Women Students announces program schedule for November

The Center for Women Students at University Park sponsors or co-sponsors presentations, films and brown bag lunch discussions that are open to all.

November programs include:

— Wednesday, Nov. 2, 7:30 p.m., HUB Assembly Room: "Breaking Silence," a documentary film and discussion facilitated by Patty Johnson, CWS assistant director. This film on incest and child sexual abuse uses interviews with survivors, perpetrators, a family, and children's drawings to edu-

cate us about these problems.

— Monday, Nov. 14, 4 p.m., 101 Agricultural Sciences Building: "Genetics and Sexual Orientation," a lecture presented by Angela Pattacuzzi, National Cancer Institute.

— Tuesday, Nov. 15, pre-film discussion, 7:45 p.m., and film, 8 p.m., 104 COB: "Not a Love Story," a documentary focusing on pornography: why it exists, what forms it takes, and how it affects relationships between women and men.

— Wednesday, Nov. 16, noon to 1:30 p.m., CWS Resource Room, 120 Boucke Building: "Confronting AIDS in Rural America," a documentary film followed by a discussion facilitated by Kimberlie A. Kranich, WFSX-TV producer and director. This documentary examines attitudes about AIDS in State College.

— Thursday, Nov. 17, 4 p.m., HUB Gallery: "Engendering the Discourse of Academic Management and Leadership," a lecture presented by Estela Ben- simon, associate professor of education

and senior research associate, College of Education.

— Wednesday, Nov. 30, noon to 1 p.m., CWS Resource Room, 120 Boucke Building: "Issues of Women with Disabilities," a discussion presented by Mary T. Franks, Americans with Disabilities Act coordinator, and other disability advocates.

For more information, contact Center for Women Students Director Sabrina Chapman at 863-2027.

## Appointment

### Behrend names director of library

Richard L. Hart, former SUNY College at Fredonia librarian, has been named director of the library at Penn State Erie, The Behrend College.

Dr. Hart earned an M.S. from the Columbia University School of Library Science, and a Ph.D. from the University of North Carolina at Chapel Hill. He also holds an M.A. in English and American literature from Clark University, Worcester, Mass.

He has held positions, including collection development-reference librarian, team leader for public access, and circulation librarian. His publications include "Funded and Non-Funded Research: Characteristics of Authorship and Patterns of Collaboration in the 1986 Library and Information Science Literature," which appeared in *Library and Information Science Research*. He also was one

of a team of authors of *Copy-right for Educators* (Chautauqua BOCES, 1986).

Dr. Hart will oversee the day-to-day activities as well as long and short range planning for the Penn State-Behrend library. The newly-constructed, 100,000-square-foot library and academic building complex, which was dedicated last May, is the college's first permanent library site.



Richard L. Hart

## Partings

### Director retires after 22 years

James M. Slick, the first director of Penn State's Engineering Cooperative Education Program, has retired after 22 years of service.

Since its inception in 1965, the Engineering Cooperative Education Program has grown to one of the largest in the nation. Under Dr. Slick's direction, it placed engineering students in salaried training positions at engineering companies nationwide. More than 650 co-op students are employed each year with business, government and industry. These students are employed by more than 250 employers in 28 states and several foreign countries.



James M. Slick

Prior to serving as the director of the Engineering Cooperative Education Program, Dr. Slick was the project director of a statewide assessment of Cooperative Vocational Education. The project reports, authored by him, are recognized as being a major factor in the expansion of cooperative education in Pennsylvania. While a member of the Vocational Industrial Education faculty, Dr. Slick taught several courses in the area of cooperative education.

From 1976 to 1984, Dr. Slick served as the assistant director of the Career Development and Placement Center, and was heavily involved in research. He developed Penn State's Career Resource Center, presenting career-related information with a career development model. He also developed, and for eight years supervised, an ongoing study, "Post-Graduation Activities of Penn State Graduates."

His retirement plans include hunting, fishing, golfing, gardening, traveling, and building a log home.

## Computers

continued from page 1

available course sections, and — check the status of loans and other student financial information.

OASIS also provides an introduction to and overview of the system, and allows students to send suggestions to the OASIS developers. In the future, students will be able to use OASIS to register for and drop/add classes — something they do now by using a touch-tone phone to access the University computer.

The system was designed to help students get basic information from the University without having to make a personal visit to administration buildings that generally close their doors at 5 p.m.

"Our main goal was to increase students' access to certain basic information about their grades, class schedules, financial aid and other important information," J. James Wager, University registrar, said. "We wanted to use available technology to make this information easier to obtain, and we think we're doing that."

Changing local address information requires students to use individual access accounts to verify their identity. Previously, students had to specifically request access accounts, but earlier this year the University began automatically assigning accounts to each student at all campuses. Besides OASIS, the accounts allow access to e-mail and the Internet system.

OASIS installations are now planned for the New Kensington, Berks, and Hazleton campuses; the York Campus student community building; the Fayette campus, and other sites that have not yet been identified.

OASIS was developed jointly by Penn State, the Massachusetts Institute of Technology and Cornell University, as part of Project Mandarin. The Mandarin team is developing integrated technology that will give computer users access to public information, scholarly

## Enrollment

continued from page 1

Dr. Thomas also noted that total degrees awarded (associate through doctorate) in 1993-94 were 13,038, the highest since 1982-83. The number of graduate degrees (master's, doctoral and medical degrees) conferred in 1993-94 reached an all-time high of 2,407. Graduate student enrollment also is at an all-time high of 10,950, an increase of 1.7 percent for 1994-95.

FIRST-TIME FRESHMEN ENROLLMENT FALL 1994			
	Fall 1994	Fall 1993	Change
University Park	3,687	3,450	237
Erie, The Behrend College	614	544	70
Commonwealth Campuses	5,474	5,274	200
<b>TOTAL</b>	<b>9,775</b>	<b>9,268</b>	<b>507</b>

TOTAL MINORITY ENROLLMENT FALL 1994			
	Fall 1994	Fall 1993	Change
Native American	118	111	7
Asian/Pacific Islander	2,445	2,301	144
African American	2,320	2,195	125
Hispanic	1,203	1,065	138
<b>TOTAL</b>	<b>6,086</b>	<b>5,672</b>	<b>414</b>

information, communications systems such as e-mail and administrative data from various databases.

— Alan Janesch

OASIS											
Available Sections											
FALL 1994											
UNIVERSITY PARK											
ENGL 015 Gen Ed: GWS Diversity:											
RHETORIC & COMP											
	C	Cr	Day	Meeting Time	Meeting Place	Instructor	Max	Enrl	Avail	%Full	
928695	059	3	0	T R	09:45A 11:00A	1385 HEND-S	24	24	0	100	
928703	060	3	0	T R	11:15A 12:30P	144 FENSKE	24	24	0	100	
928712	061	3	0	T R	11:15A 12:30P	1385 HEND-S	24	24	0	100	
928721	062	3	0	T R	11:15A 12:30P	174 WILLARD	24	24	0	100	
928730	063	3	0	T R	01:00P 02:15P	174 WILLARD	24	24	0	100	
928749	064	3	0	T R	01:00P 02:15P	144 FENSKE	24	24	0	100	
928767	066	3	0	T R	02:30P 03:45P	1385 HEND-S	24	24	0	100	
928776	068	3	0	T R	02:30P 03:45P	317E HIL DEV-X	24	24	0	100	
928786	069	3	0	T R	04:15P 05:30P	171 WILLARD	24	24	0	100	
928794	070	3	0	T R	04:15P 05:30P	174 WILLARD	24	24	0	100	
948860	071	3	0	M W F	09:05A 09:55A	306 BOCKE	24	19	5	79	
948770	072	3	0	M W F	10:10A 11:00A	266 WILLARD	24	24	0	100	
948789	073	3	0	M W F	11:15A 12:05P	321 BOCKE	24	23	1	96	
948934	074	3	0	M W F	10:10A 11:00A	208 HATFIELD	24	16	9	67	
<div> <span>Another Course</span> <span>Description</span> <span>Quit</span> <span>Menu</span> <span>Back</span> <span>Help</span> </div>											

An Oasis computer screen of what students may see when they log on to the system.



## LEADERSHIP PROFILE



Terri Brooks, dean of the School of Communications.

**H**OW DO YOU PREPARE COMMUNICATIONS STUDENTS FOR A CAREER IN MEDIA BURETTED BY THE MOST REVOLUTIONARY CHANGES SINCE GUTENBERG STRUCK THE FIRST PAGES OFF HIS PRESS?

That's the challenge School of Communications Dean Terri Brooks took up when she assumed her post more than two years ago. And, when she uses the word "challenge," she emphasizes, it's not just a euphemism for "problem."

"We are living in a dynamic, fluid environment, where all of the old assumptions about how the media will look and behave have gone out the window," Dean Brooks says. "The media have different faces and different definitions now."

"Our students will enter a range of communications fields. Some of them will be the traditional ones we know, but many of them are still evolving and others don't even exist. I think it's an exciting, and yes, challenging, time for communications educators."

For instance, the very definition of news is changing, some of it for the worse, Dean Brooks points out, noting the development of what has come to be called "infotainment," represented by such tabloid television shows as *Inside Story*.

She is particularly critical of the blurring of the line between responsible reporting and lowbrow entertainment on this and like programs,

citing the notorious example when an NBC news crew actually faked pictures of an exploding GM truck.

"Such incidents only help to fuel the public distrust of the press, which has been mounting over the past decade," she comments.

The public, she believes, also is beginning to question the relevance of the press to their daily lives, how well the information flow with which they're bombarded helps them to function in a democratic society.

"Information is not knowledge, and irrelevant information leads to stress instead of wisdom," she says.

"Most communications professionals had assumed that the explosion of new electronic technologies would produce a 'mass media,'" Dean Brooks observes. "Instead, the development of a 500-channel cable system is creating a 'niche media' aimed at more and more narrowly-focused, isolated markets."

"Cross-ownership of once very separate media encourages the view that newspapers and TV news programs are commodities to be bought and traded and further undermines their role in society. For me, the bottom-line responsibility of a free press is to create and nurture an informed public capable of making the essential decisions democracy requires. If the press loses that function, it raises questions about its rights to protection under the First Amendment."

## TERRI BROOKS

### ROLLING WITH THE CHANGES, ANSWERING THE CHALLENGE

"IT'S GOING TO TAKE SOME TIME BEFORE WE KNOW WHO WILL WIN THE RACE TO CONTROL WHICH CHANNELS OF INFORMATION ... ONLY THEN WILL WE BE ABLE TO GET A BETTER SENSE OF WHETHER WE AS A FIELD OF COMMUNICATIONS STUDY HAVE SUCCEEDED OR FAILED THE PUBLIC ..."

The school now runs a First Amendment Center to address these kinds of issues, and, as educators, Dean Brooks hopes that she and her colleagues can influence a generation of students to graduate with the desire not just to work in the field of communications but also to critically analyze and improve it.

To this end, an alumnus of Penn State, George Richards, has endowed with \$150,000 the Bart Richards Award in Media Criticism to encourage critical evaluation of media performance.

The incorporation of ethics into the very fabric of the curriculum is another important concern for Dean Brooks.

"We do have a required course in ethics for our journalism majors," she points out. "But the faculty also try to raise questions about ethical dilemmas in every course they teach, whether it's in advertising, broadcast and cable management, media history, law, culture, film or production. Media professionals make ethical decisions on the job every day that impact their relationship to society."

Drawing on her own experience, Dean Brooks believes that communications students should leave Penn State with a range of professional skills and a broad liberal arts education to serve them in a rapidly changing field.

She herself has enjoyed several different careers. A graduate of the University of Wisconsin, where she majored in journalism and French, she spent a year at the Université d'Aix-en-Provence and completed a master's degree in liberal arts at St. John's College.

She was a reporter and columnist with the Chicago Tribune and has published hundreds of feature articles in newspapers and maga-

zines. She is also the author of three books, *Words' Worth: A Handbook on Writing and Selling Nonfiction*, *Women Can Wait: The Pleasures of Motherhood After 30*, and *Bittersweet: Surviving and Growing from Loneliness*.

Before coming to Penn State, she was a member of the faculty at New York University, serving as chairperson and associate professor in the Department of Journalism and Mass Communication.

"Penn State's School of Communications will celebrate its tenth birthday next year," she notes, "and I think it's exciting, as having finished our period of adolescence and moving into maturity."

"One of our major emphases during the next few years will be to increase the size of our graduate program, and toward this end we have through the University's Future Committee more than doubled the number of assistantships from 14 to 31."

Minority students comprise about 11 percent of the school's 1,700-member undergraduate student body, a number that Dean Brooks hopes to see increased. With the aid of a \$100,000 gift from the Knight Foundation, a diversity scholarship has been endowed for students in the journalism major.

Other important initiatives for the school include the establishment of an undergraduate curriculum in broadcast-cable management, the first such major in the nation, a master's degree program in telecommunications studies, and the Catalyst Center for Information Technologies.

The center, according to Dean Brooks, helps provide links between academic units at Penn State and between the academy and the communications industry. Under its

See "Brooks" on page 10

PENN STATE





# L E C T U R E S

## Author and scholar to discuss happiness Nov. 4 at Scanticon

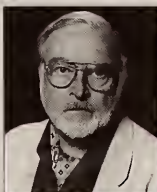
Internationally renowned author, scholar, and speaker Mihály Csikszentmihályi, will share his theories about happiness and creativity Friday, Nov. 4, at the Penn State Scanticon Conference Center Hotel. As part of his presentations, Dr. Csikszentmihályi will discuss his theory of flow and its relationship to human happiness and creativity. Recognized for his research into these areas, he says people are truly happy when actively involved in difficult enterprises — experiences that stretch an individual's physical or mental abilities.

Dr. Csikszentmihályi, professor of human development and education at the University of Chicago, is the author of *Flow: The Psychology of Optimal Experience* and *The Evolving Self: A Psychology for the Third Millennium*. Other works include *Beyond Boredom and Anxiety*, *The Creative Vision*, *The Meaning of Things*, *Being Adolescent*, and *Television and the Quality of Life*. He is a member of the National Academy of Education and the Academy of Leisure Sciences.

Co-sponsored by The Small College of Business Administration and the College of Health and Human Development, "Optimal Experience: Studies of Human Happiness and Creativity," is free and open to the public. All events will be held in Presidents Hall II, beginning at 10 a.m.

Free bus service to and from the Penn State Scanticon is available before and after each session. Buses for the morning session will depart from the parking lot at the Business Administration Building at 9:50 and 10:10 a.m. and return following the session at noon. Buses for the afternoon session will depart from the parking lot of the Business Administration Building at 2:30 and 2:45 p.m. and return following the session at 4:30 p.m.

For more information, contact Georgia Abbey, senior conference planner, at (814) 865-5140.



Mihály Csikszentmihályi

## Professor to speak about the Holocaust

Julius S. Held, professor emeritus of art history at Barnard College and Columbia University, will speak on "The Holocaust from a Distance" at 3:30 p.m. Friday, Nov. 4, in the Palmer Museum of Art lecture hall on the University Park Campus. A reception will be held following the lecture in 102 Weaver Building.

The presentation is part of the 1994-95 Jewish Studies Lecture Series titled "The Holocaust: Historical Fact and Historical Memory."

In 1933, Julius Held, having recently received his Ph.D. from the University of Freiburg, was fired from his position at the Berlin Museums because he was a Jew. In 1988, he dedicated a memorial to the Jews of his hometown — Moshach,

Germany — who had died in the Holocaust. The memorial, erected through the efforts of Dr. Held, stands on the site of the Moshach synagogue.

Recognized as one of the most distinguished art historians in the United States, Dr. Held has written defining works on Rembrandt, Rubens, Lucas van Leyden, and Anthony van Dyck. He has been honored by membership in the American Academy of Arts and Sciences, the Palzgraf Otto award, the Order of the Crown conferred by the King of Belgium, and numerous honorary doctorates.

The lecture series is sponsored by the Jewish Studies Program, an RGSO grant from the College of the Liberal Arts, and the Palmer Museum of Art.

## Chilly climate for women is topic Nov. 1

The Women In the Sciences and Engineering (WISE) Institute is sponsoring a lecture by Bernice Sandler, senior scholar in residence at the National Association of Women in Education (NAWE), at 4 p.m. Tuesday, Nov. 1, in 108 Weaver Building at University Park. Dr. Sandler's lecture, "Chilly Climate Issues for Women in Science and Engineering," is the first in the WISE Lecture Series. It is open to faculty, staff and students.

Dr. Sandler is well-known for her expertise in understanding subtle barriers for women in academia. She focuses

on chilly climates for women administrators, faculty and students.

In addition to her lecture, Dr. Sandler will be giving two workshops:

- Chilly Classroom Climate for undergraduate and graduate students and faculty, 10:11 a.m., HUB Gallery Lounge
- Chilly Workplace Climate for administrators, faculty and staff, 1:30 to 2:30 p.m., HUB Gallery Lounge.

People interested in attending the workshop should call the WISE Institute at 865-3942 before Nov. 1.

## Independent study conference set for Nov. 3-5

The second annual conference and workshop of the American Association for Collegiate Independent Study (AACIS) will be held Nov. 3-5 at the Penn State Scanticon Conference Center Hotel. Theme of the conference, co-sponsored by Penn State and Thomas Edison State College, is "Networking + Sharing = Growth + Development."

Gary E. Miller, assistant vice president for distance education, Continuing and Distance Education, will present the keynote address on "The Changing Context of Independent Study within Distance Education."

Other conference activities include concurrent sessions on three tracks: administration, student services and curriculum development; a tour of the Department of Distance Education's

facilities, including a demonstration of interactive compressed video equipment, the interactive teleconference/studio classroom in Studio C Mitchell Building, and innovative computer applications; roundtable discussions; a business meeting, and a reception.

AACIS got its start in Minneapolis in May 1993. Its purpose is to promote professional development, foster improved understanding and appreciation of independent study within the higher education community and disseminate pertinent research to members.

For more information, contact Jeanne A. McGrath, assistant director for Contact Programs, Department of Distance Education: phone (814) 863-8306, fax 865-3290, e-mail JWM@cedc.psu.edu.

## Scholars' forum to look at faculty rewards

The public is invited to hear the latest research on faculty reward structures during the seventh Continuing and Distance Education (C&DE) Scholars' Forum at 9 a.m. Thursday, Nov. 3, in the Alumni Lodge of the Nittany Lion Inn at University Park.

James S. Fairweather, associate professor of higher education and senior research associate in the Center for the Study of Higher Education, will discuss "Faculty Reward Structures: The Relative Value of Teaching, Research and Public Service."

An internationally recognized scholar on university partnerships, fac-

ulty rewards and postsecondary education for the physically challenged, Dr. Fairweather will present findings from his research on 4,000 faculty members. He will focus on faculty compensation and explore its relationship to public service, teaching and research.

Dr. Fairweather's lecture is one in a series of forums designed to provide an opportunity for University faculty and staff members to present research-based information relating to an aspect of continuing education, as well as to encourage long-term discussion and interaction.

## Peace, media and technology talk on Nov. 8

Ada Aharoni, visiting professor in the Science Technology and Society Program will speak on "Peace, Media, and Technology" at 9:45 a.m. Tuesday, Nov. 8, in Room 115 Electrical Engineering West on the University Park.

The STS Program seminar is sponsored by Hillel and the Women's Studies Program.

Dr. Aharoni, renowned international peace studies researcher, is the author of 21 books, the latest of which

is the novel, *From the Nile to the Jordan*. Dr. Aharoni, who in 1991, was elected president of the XIII World Congress of Poets, is the founder and president of PAVE, the International Friends of Literature Association.

The basic premise of PAVE is to achieve world peace by the year 2000 and to have war outlawed by the United Nations. "Through literature promoting freedom, our quality of life can be enriched," Dr. Aharoni says.

## Annual Italian letters talk to focus on Dante

The Department of Spanish, Italian and Portuguese will present the annual Josephine J. Rhea Lecture on Italian Letters at 7:30 p.m. Thursday, Nov. 3, in Room 112 Walker Building on the University Park Campus.

Amilcare Iannucci, professor of Italian and director of the Department of Italian Studies at the University of Toronto, will speak on "Dante's Encounter with the Great Poets of Antiquity" (*Iteferno* 4:64-105).

Dr. Iannucci is the author of a book on Dante, *Forma ed evento nella Divina Commedia*, and of numerous essays and articles on various aspects of Medieval and Renaissance Italian literature. The editor of *Dante Today* and co-editor of three other volumes, *McLuhan e la metamorfosi dell'uomo*,

*Petrarch's Triumph: Allegory and Spectacle*, and *Saturn from Antiquity to the Renaissance*, he has just completed a long essay on the influence of Italian literature abroad in the 20th century.

Dr. Iannucci currently is involved in an exhaustive study, with the aid of computer technology, of Dante's biblical references (direct and allusive) in the *Divine Comedy*, as well as a book on *Inferno* 4. The recipient of various research grants and fellowships, he is the founder of *Quaderni d'Italiansica* (the Journal of the Canadian Society of Italian Studies). At the University of Toronto, he holds cross-appointments to the Centre for Medieval Studies and the Centre for Comparative Literature.

# The ARTS

AT PENN STATE

## Museum grant

To kick off its '94-'95 season the Palmer Museum of Art has been awarded a \$500,000 grant from the National Endowment for the Arts. The grant will help to support the exhibition, "Medieval Art in America: Patterns of Collecting 1800-1940," scheduled to open in January 1996 on the University Park Campus. The exhibition will tour nationally after its initial showing at the Palmer.

Elizabeth Smith, associate professor of art history, will be the guest curator for the exhibition which is the first to trace the history of collecting western medieval art in America by individuals and institutions from 1800 until the beginnings of World War II.

"This NEA grant, the largest in the history of the museum, underscores the significant recognition that the Palmer brings to the arts at Penn State and to the communities of Central Pennsylvania," Neil Porterfield, dean of the College of Arts and Architecture, said.

## Fall concert

The Penn State Percussion Ensembles I and II, under the direction of Dan C. Armstrong, associate professor of percussion, and Jason Gianni, graduate teaching assistant, will give their annual fall concert at 8 p.m. Monday, Oct. 31, in the School of Music Recital Hall on the University Park Campus.

The concert will feature a guest conducting appearance by Maestro Frederick Morden, conductor and music director of the Altoona Symphony Orchestra. He will conduct an arrangement of Berlioz' "March to the Scaffold" as part of the Percussion Ensemble's traditional tribute to Halloween. Also featured will be a performance of "Jonisation" by Varese. The work includes the use of piano, played by faculty pianist Cecilia Dunoyer.

Douglas Stephens, senior in music education, will conduct the ensemble in a performance of "Bick-a" by Thom Hassenpflug. Jason Gianni will lead Percussion Ensemble II in performances of "Extremes" by David Mancini and "Slapshift" for six conga drums by J.S. Smith. Rounding out the program will be

performances of "Gainsborough" by Boston Symphony Orchestra percussionist Tom Gauger, and "El Cumbanchero" arranged by Phil Farid, dean of music at West Virginia University.

The concert is free to the public.

## Concert Choir

The Penn State Concert Choir, under the direction of Douglas Miller, professor of music, will perform in concert at 12:10 p.m. Thursday, Nov. 3, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Repertoire for the concert will include selections from German, Austrian, and Swiss choral literature. The Concert Choir will tour these countries as part of their European tour in May 1995.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## Drawing exhibit

The Architectural Engineering Student Drawing Exhibit is on display through Friday, Nov. 4, in the Architectural Gallery of the Engineering Unit Building "C" on the University Park Campus.

The exhibit is arranged by the fourth year design analysis studio under the instruction of Richard Alden, assistant professor of architecture, and Pier Bandini, associate professor of architecture.

## Hurtz recital

Tim Hurtz, assistant professor of oboe in the School of Music, will perform a recital titled "Music for Oboe and Strings" at 8 p.m. Friday, Nov. 4, in the School of Music Recital Hall on the University Park Campus.

The program will include two works for oboe and strings; Quartet in F major, K.370 for oboe, violin and violoncello by W.A. Mozart and Quintet for oboe, two violins, viola and violoncello by Arthur Bliss. Performing with Mr. Hurtz will be School of Music faculty members James Lyon, violin; Donald Hopkins, viola; and Kim Cook,

violincello. They will be joined by Ruth Monson, second violinist for the Bliss Quintet.

The recital is free to the public.

## Odyssey on WPSU

On the next episode of Odyssey Through Literature, Arthur Goldschmidt, professor of history, introduces host Leonard Rubinstein to Muhammad Farid and his political endeavors as leader of the Egyptian nationalists at the turn of the century.

Discussing his edition and translation of Farid's memoirs, Dr. Goldschmidt exposes the struggles that lay within the hearts of the nationalist leaders, their allies, and their oppressors. Dr. Goldschmidt says,

"Although Farid possibly because he was in exile, and he was lonely, and he didn't have enough to eat, and he suffered a great deal for his country—may have developed some delusions, there's a surprising basis of truth to the accusations that he makes against his fellow nationalists and against other people in Egypt."

Dr. Goldschmidt explains the uncertainty and confusion that surround even the most powerful leaders.

Odyssey Through Literature is produced at WFSX-TV as a continuing education service by the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Shaver's Creek

Shaver's Creek Environmental Center is offering several public programs in November.

"Junior Nature Explorers," 12:30 to 2:00 p.m. Tuesday and Thursday, Nov. 8 and 10. Designed for 3- and 4-year olds and their parents, this program includes stories, songs, and hands-on activities relating to the natural world.

"Teambuilding for Two," 1 to 5 p.m. Sunday, Nov. 13. Designed to provide couples with communication and problem-solving skills. Participants should wear comfortable outdoor clothing and come prepared to be active.

"Walk When the Moon is Full," 7 to 8:30 p.m. Friday, Nov. 18. Activities include folk tales about the moon as well as a moonlit walk in the woods.

"Prowl," 7 to 9 p.m. Saturday, Nov. 19. A slide show and an up-close look at some live owls will be followed by a walk in the woods to look and call for owls.

In addition, Horatio's—the gift shop and bookstore at the environmental center—will hold an open house from 10 a.m. to 5 p.m. Friday and Saturday, Nov. 25 and 26. Refreshments will be served, and Shaver's Creek members will receive a 25 percent discount on all children's books, field guides, bird feeders, stationery, and other gift items.

Free information and registration for program is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons also can call either number to receive a free copy of Shaver's Creek's sea-

## PENN STATERS

James B. Anderson, professor of chemistry, presented the plenary lecture titled "Max Bodenstein and the Hydrogen-Iodine Reaction: One Hundred Years Later" at a symposium of the Chemical Society of Heidelberg, Germany, celebrating the centennial of Max Bodenstein's landmark experiments in chemical kinetics and molecular spectroscopy. He also presented lectures on the Quantum Monte Carlo statistical technique and on the rare event approach to molecular dynamics in Germany at the University of Kaiserslautern, the University of Göttingen, the University of Karlsruhe, and the Free University of Berlin in Switzerland, at the Eidgenössische Technische Hochschule (ETH), and in Sweden at the University of Stockholm.

Abhay Ashtekar, holder of the Eberly Family Chair in Physics and director of the Center for Gravitational Physics and Geometry, has been appointed to the National Science Foundation Committee of Visitors. The committee examines the peer-review system in the Mathematical and Physical Sciences Directorate of the National Science Foundation every three years.

Elizabeth Garber, assistant professor of art education, has received the Marantz Distinguished Alumni Award from Ohio State University.

Bette J. Kaufman, assistant professor of communications, presented the paper, "Media Realities: Children's Interpretations of News and Advertising Images," at the annual conference of the International Communication Association in Sydney, Australia.

Freya Qually, art instructor at the Penn State Mont Alto Campus, received the Robert Fuller Award for Painting from the Harrisburg Art Association for first prize in oils in the association's fall 1993 exhibit.

Rustum Roy, Evan Pugh Professor of the solid state, was the lead-off speaker at the Materials to Marketplace Symposium at the University of Surrey, Guildford, England. The symposium attracted 200 of the leading materials scientists of Britain and Europe.

Peter D. Usher, professor of astronomy and astrophysics, presented an invited paper titled "Hermeneutic Dilemmas in Astronomy" at an interdisciplinary conference on Inspiration in Astronomical Phenomena held at Villa Mondragone, Rome, Italy, and sponsored by Specola Vaticana (the Vatican Observatory).

Paul S. Weiss, assistant professor of chemistry, gave two invited lectures titled "Understanding and Extending Imaging and Spectroscopy: the Scanning Tunneling Microscope" and "Natural and Man-Made Nanometer Scale Structures" at the Swedish National Summer School in Materials Science in Hinda, Sweden.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, October 27

- Publishing in Academic Journals, 10 a.m., Christoffers Lobby, Palmer Museum. Mary Linda on "Views of Ancient Peru."
- Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Mallet Ensemble. Child Care Program Services, 6:30 p.m., Nittany Lion Inn. Workshop titled "Including Young Children with Disabilities in Child Care Programs." To register call Janine at 865-5886.
- Shaver's Creek, 7 p.m. Volunteers needed to help carve pumpkins for the Halloween trail.
- Spanish, Italian, and Portuguese, 7:30 p.m., 112 Walker Bldg. Amicarsa turned on "Dante's Encounter with the Great Poets of Antiquity."
- School of Music, 8 p.m., Recital Hall. John Daniel, trumpet.
- Art History, 8 p.m., Palmer Lippin Auditorium. The Renaissance from Milan to Venice: Discoveries in the 15th and 16th Century Art of Northern Italy." David Rosand on "The Spirits in the Brush."

Friday, October 28

- Employee Benefits, 8 a.m.-4:30 p.m., Benefits Open House, 101 Ken.
- Gallery Talk, 2:45 p.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Classicism, Imperialism, and Paganism: Ancient Art of the Palmer."
- Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Wilson J. Moses on "W.E.B. Dubois Looks at Eastern Europe and the Soviet Union."
- Homecoming Parade, 5:30 p.m., College Avenue.
- Homecoming Candlelight Vigil, 7:30 p.m., Old Main steps.
- University Resident Theatre Company, 8 p.m., Playhouse Theatre. "The Grapes of Wrath." Through Nov. 5. Tickets required, call 863-0255.
- Shaver's Creek - The Haunted Forest Trail. Through Oct. 30. Tickets must be purchased in advance, call 863-2000.
- Center for the Performing Arts, 8 p.m. Schwab Auditorium. Eugenia Zukerman, flute, and Anthony Newman, harpsichord. Tickets required, call 863-0255.
- Homecoming "Guard the Lion," 10 p.m., Nittany Lion Shrine.

Saturday, October 29

- Home Football Saturday Lecture Series, 9 a.m., Alumni Fireside Lounge, Nittany Lion Inn. "Huddle with the Faculty."
- Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "American Painting at the Palmer."
- Shaver's Creek - Children's Magical Trail. Through Oct. 30. Tickets must be purchased in advance, call 863-2000.
- School of Music, 9 p.m., Schwab Auditorium. Penn State Glee Club Homecoming Concert. Tickets required, call 863-0255.

Sunday, October 30

- Daylight Savings Ends. Tour de Penn State Fun Run, 9 a.m., Rec Hall Parking Lot. Contact IFC Homecoming at 212 HUB to register.
- Old Main Bell Tower Open House, 10 a.m.-2 p.m.
- Monday, October 31
- Benefit Open House, 8 a.m.-4:30 p.m., Nittany Lion Inn Ballroom.
- Comparative Literature, 12:15 p.m., 101 Ken. Speaker, Wendell Harris.
- PSCOP kickoff luncheon, noon, 221 Technol-



Sounds of Dixie

Zach Smith, of the Dixie Power Trio, plays the cornet in a performance in the HUB Fishbowl as part of the HUB "Distinctive Styles" concert series at University Park. This photo was taken by Michelle Singleton, a student in Photojournalism COMM 269.

gy Center Bldg. Tour of Research Comm at 1 p.m. For reservations, call 865-6393.

School of Music, 6 p.m., Recital Hall. Penn State Percussion Ensemble.

Tuesday, November 1

WISE Institute, 4 p.m., 108 Wankt Lab. Bernice Sandler on "Chilly Climate Issues for Women in Science and Engineering."

Innervisions, 7 p.m., Conference Room, Paul Robeson Cultural Center. Film: "Origins." Values in the Community, 7:30 p.m., 101 Ken Graduate Commons. Michael Blackwell on "An African-American Church Perspective on Gay/Lesbian/Bisexual (and transgender) Lives."

Wednesday, November 2

Center for Women Studies, 7:30 p.m., HUB Assembly Room. Sexual Assault Awareness/Prevention Series Event: Film/Discussion "Breaking Silence."

Thursday, November 3

Continuing and Distance Education Scholars' Forum, 9 a.m., Alumni Lounge, The Nittany Lion Inn. James S. Finkelstein on "Faculty Reward Structures: The Relative Value of Teaching, Research and Public Service."

Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Active and Collaborative Learning." To register, call 863-2593.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Concert Choir. University Libraries, 6:30 p.m., 102 Classroom Bldg. Registration not required.

Libri, 7 p.m., WPSU 91.5 FM. Interview with Professors William J. Duiker and Jackson J. Spielvogel, authors of *World History*, a new college textbook.

ContExts, 7:30 p.m., WPSU, 91.5 FM. Host Travis Dinicola interviews Bearitz Colonna, author of *Privacy & Publicity: Modern Architecture as Mass Media (MIT)*.

Friday, November 4

Jewish Studies Program, 3:30 p.m., Lecture Hall, Palmer Museum of Art. Julius S. Held on "The Holocaust from a Distance."

Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Alan M. MacEachern on "Scientific Visualization: Should We Believe What We See?"

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "The Secret Garden." Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Tim Hertz, oboe.

Saturday, November 5

Film: "Plunder!" 1 p.m., Palmer Lippin Auditorium.

■ Film: "The Ancient Peruvian, Cuzco, in the Valley of the Incas," 2 p.m., Palmer Lippin Auditorium.

Sunday, November 6

School of Music, 6 p.m., Recital Hall. Penn State University Choir. Tickets required, call 865-0431.

## PUBLIC RADIO

WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

Thursday, October 27

Ceramic Science, 11 a.m., 301 Steidle. Gregory S. Corman on "Toughened Silicom Composites for Gas Turbine Applications."

Center for Gravitation Physics and Geometry, 11:30 a.m., 339 Davey Lab. Thomas Thiemann on "Constructive Quantum Gauge Field Theory."

Liberal Arts, 1:30 p.m., 124 Sparks. Brian

Towers and Don Cullen on "Sociology and Psychology, Nittany Lion Inn. National Symposium to examine the way in which family-school relationships influence educational outcomes at Penn State. To register, call 863-1744.

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Lab. Michael Ryan on "Cosmological 'Ground State' Wave Functions in Gravity and Electro-

magnetism."

Condensed Matter, 3:30 p.m., 339 Davey Lab. Andre Emmannell on "Vortices in Superfluid Films."

Plant Pathology, 3:30 p.m., 110 Wartk Lab. Michael English on "Silicon Effects on Plant-Fungal Interactions."

Tuesday, November 1

Chemical Engineering, 9 a.m., 140 Fenske Lab. Philip E. Seibelman on "An Oblique Look at Political Correctness: The Problem of Hate Speech."

Chemistry, 3:30 p.m., SS Osmond Lab. Kent R. Wilson on "Controlling the Future of Matter."

Graduate Program in Nutrition, 4 p.m., 209 Henderson Bldg. Sudar. Pat Elmer on "Nutrition and Cancer Prevention: Was Your Mother Right About Eating Your Veg-

Outstanding Women in Geriatrics, 4 p.m., 26 Hosler Bldg. Speaker, Mary Lou Zosack.

Wednesday, November 2

Gerontology, noon, 101 HAHB Bldg. East. John Canavan on "Stress and Coping Among Family Caregivers."

Center for Research in Conflict and Negotiation, 2 p.m., 327 Beam BAB. Ingrid Stahl on "Testing the Validity of Game Theoretical Rationality Experiments on Three Two-Person Games."

Thursday, November 3

Ceramic Science, 11 a.m., 301 Steidle. Merit Fiermans on "New Directions for Materials Research and Education."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Fernando Barbero on "Ashtekar Variables: New Results from Old Ideas."

Physics, 3:30 p.m., 101 Osmond Lab. Edward Hinds on "Experiments on an Atom in a Micro-Scale Cavity."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Joseph M. Scandura on "The New CASE (Cognitive Approach to

See "Calendar" on page 8

## News in Brief

### Office move

The Pennsylvania Commission on Sentencing has been relocated back to University Park Campus, in Pine Cottage and on the second floor of Spruce Cottage.

The commission staff consists of the following personnel: John H. Kramer, Cynthia A. Kempinen, R. Blake Weller, Mark H. Bergstrom, Carol A. Zeiss, Cindy J. Rockey, Pamela K. Garton, Jodeen M. Hobbs, Paula M. Brown, Carrie L. Peters, Scott Schumacher, S. Bradley Hope, Cathy W. Dittman, Melissa D. Felton. The telephone number remains the same at 814-863-2797. The mailing address is Pine Cottage.

The Pennsylvania Commission on Sentencing was created by the General Assembly in 1978 to deal with problems of sentencing disparity. To accomplish this, the commission was given the responsibility to develop sentencing guidelines which must be considered by all judges in Pennsylvania and to monitor and evaluate the impact of these guidelines.

### PSEO kickoff luncheon

The Penn State Chapter of Educational Office Professionals will hold its fifth annual kickoff luncheon at noon Monday, Oct. 31, in the Penn State Research Park.

Lunch will be at noon in the conference room, 221 Technology Center Building, followed by a tour of the Research Park at 1 p.m. Cost for the luncheon is \$6. Non-members are welcome. For reservations or further information call Anne Cavanaugh at 865-6393 or email to amc@psuadmind.

Penn State Educational Office Professionals is an educational organization whose membership consists of faculty, staff, staff non-exempt and technical services. The Penn State Chapter is affiliated with the Pennsylvania Association of Educational Secretaries and

The National Association of Educational Office Personnel.

### Nominees sought

The Penn State Council for the Prevention of Alcohol, Tobacco, and Other Drug Abuse is requesting help in identifying and rewarding those who are making a significant contribution towards the prevention of alcohol, tobacco, and other drug abuse. Purpose of this award is to recognize and reward University faculty, staff, student organizations, individual students, and local community members for their contributions.

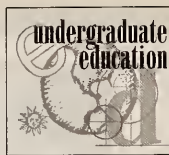
Criteria include dedication to the prevention of alcohol, tobacco, and other drug abuse for faculty, staff and students demonstrated by innovation, enthusiasm and leadership beyond the expectations of their organization or position. All University faculty, staff, student organizations, individual students and members of the local community are eligible.

Nominations should be sent by Dec. 10 to the Council for the Prevention of Alcohol, Tobacco, and Other Drug Abuse, 237 Rietouner Building, University Park. To request nomination forms, please contact Ann Hollendoner at (814)863-0461.

### Leadership Roles

Harry Bell, retired vice president of the Hughes Corporation, will present a seminar titled "Leadership Roles in Large Corporations," at 4 p.m. Thursday, Nov. 3, in 123 Electrical Engineering East Building on the University Park Campus.

It is a part of the Continuing Leadership Seminar Series sponsored by the Leonard Center for the Enhancement of Engineering Education and the Department of Electrical Engineering.



### Commission looking to change University culture

The Commission for Undergraduate Education has released a report, "Improving the Climate for Teaching and Learning." The report, the second major report of the Commission, focuses on ways to evaluate, develop,

and support excellent teaching in the University.

Madlyn Hanes, director of academic affairs at the Penn State Delaware County Campus and chair of the commission, said, "We see our charge as identifying an action-oriented set of recommendations for supporting undergraduate instruction broadly and over the long term. This report addresses the needs of instructional support services and issues of workload and rewards, and gives a thoughtful appraisal of how undergraduate education is presently offered. It suggests ways to strengthen teaching and learning."

"What we would like to see is a culture for teaching and learning at the University," said Leonard Berkowitz, associate professor of philosophy at Penn State York Campus and chair of the working group that drafted the report. "A teaching culture is one in which teaching and learning are valued, supported, and rewarded. Our recommendations are aimed at creating a teaching/learning culture for the entire University."

"A teaching culture is at minimum one in which there is strong support for teaching. And we first specify several ways of strengthening the Instructional Development Program, which is currently stretched to the breaking point. The University also needs to expand its support of technology for use in the classroom, especially for technological training for faculty."

The report also makes several recommendations about teaching assignments. According to the report, there should be only one primary criterion for assignments: which faculty member is best qualified to teach the course. Other recommendations in this area focus on the use of nonlecture-line faculty.

### Changes in the Reward System

The report argues that "changes in the reward system... are absolutely necessary if undergraduate education is to improve. People put their effort into what is considered valuable; a university reveals its value system by its reward structure. Therefore, if the University wishes to demonstrate that it values teaching, it must reward excellence in teaching in the same ways in which it rewards excellence in research—with teaching, promotion, and annual salary increases." The report suggests several specific changes in the reward system designed to accomplish this goal. Chief among its recommendations is the idea of individual statements of emphasis designating which area (teaching, research, or service) a particular faculty member is to emphasize.

### Learning Culture

The student counterpart to a teaching culture is a "learning culture," one in which learning is valued by students. The report recommends that a survey of student expectations and attitudes be carried out as a first step toward the development of a learning culture. According to the report, we have little information about what students think and believe when they come to the University and such knowledge is a prerequisite to improving the learning environment.

John Cahir, vice provost and dean for Undergraduate Education, and a member of the commission, said, "I'm pleased that this report, while emphasizing the faculty dimension, looks at both teaching and learning."

The Commission's first report, "A Plan for the Assessment of Teaching and Learning," was released in June 1993. "Improving the Climate for Teaching and Learning" was released in September 1994 and presented to the Senate at its September meeting. Copies of both reports are available from the Office of Undergraduate Education in 417 Old Main, or by calling the office at (814) 863-1864.

## Calendar

continued from page 7

Software Engineering: Methodology and the Flexsys System.

Electrical Engineering, 4 p.m., 123 EE East. Harry Bell on "Leadership Roles in Large Corporations."

Friday, November 4

Entomology, 11 a.m., 101 ASI Bldg. Allan Rosenfeld on "The Environmentalists' Viewpoint."

Condensed Matter, 1:15 p.m., 339 Davey Lab. Andrew Mills, speaker.

### CONFERENCES

Thursday, October 27

Psychological Violence and Gender Role Conflict, 85 attendees, Penn State Scanticon. Through Oct. 28.

16th Annual Cooperative Vocational Education Conference, 100 attendees, Penn State Scanticon. Through Oct. 28.

State, Urban, & Community Forestry, 200 attendees, Days Inn Penn State. Through Oct. 28.

Friday, October 28

Columbia Gas Distribution Companies, 70 attendees, Penn State Scanticon. Through Oct. 30.

Sunday, October 30

Pennsylvania Junior Science and Humanities, 130 attendees, Days Inn Penn State. Through Nov. 1.

National Symposium on Family School Link, 120 attendees, The Nittany Lion Inn, Holiday Inn Penn State. Through Nov. 1.

Continental Management Program, 35 attendees, Nittany Lion Inn. Through Nov. 11.

Monday, October 31

Manufacturing Strategy and Technology Program, 30 attendees, Nittany Lion Inn. Through Nov. 10.

Tuesday, November 1

PAMFES Conference, 210 attendees, Nittany Lion Inn.

Through Nov. 3.

Thursday, November 3

Second Annual Conference and Workshop of the American Association for Collegiate Independent Study, Penn State Scanticon. "Networking & Sharing = Growth + Development." Through Nov. 5.

For more information, call 865-3290.

### EXHIBITS

Architectural Gallery/Engineering Unit Bldg. C: "Architectural Engineering Student Drawing Exhibit," through Nov. 4.

Palmer Museum: "Double Prints: Installation by Mary Ellen Carroll," through Dec. 11.

Planet Penz: An Aerial Journey Through a Timeless Land," through Dec. 18.

Ancient Peruvian Ceramics," through Dec. 18.

"Gifts to Celebrate the New Museum," through Jan. 22.

Pettee

East Corridor Gallery: "Echoes of Light," photographs by Kyle Burkhardt. Through Oct. 31.

Rare Books Room:

Illustrated books from the 18th Century. Through Nov. 30.

Patterson Undergraduate Gallery: Emanuel Panglioni, BFA paintings. Through Nov. 11.

Zeller Gallery:

"Elastic Visions," through Nov. 5.

■ Reflects an international perspective



## Alumni Fellow

# Department of Education official honored as Fellow

Ralph N. Pacinelli, acting deputy commissioner of regional affairs, Rehabilitation Services Administration, U.S. Department of Education,



Ralph N. Pacinelli

is visiting the College of Education through Oct. 30, as a 1994 Alumni Fellow.

The Alumni Fellow award, sponsored in conjunction with the Penn State Alumni Association, is the most prestigious of the association's awards, and is designed to provide opportunities for outstanding alumni

to share their expertise with faculty and students. The Alumni Fellow designation is permanent and lifelong.

Dr. Pacinelli holds two degrees from Penn State, an M.Ed. and D.Ed., both in rehabilitation counseling and psychology. In addition, he holds a B.S. from Villanova University. He has worked within the rehabilitation services field for more than 15 years, having served with the Pennsylvania Bureau of Vocational Rehabilitation, the Vocational Rehabilitation Administration, the International Association of Rehabilitation Facilities, the Elwyn Institutes, and the U.S. Department of Health, Education, and Welfare.

He has been a member of dozens of state and federal committees and commissions, including the National Task Force on Long-Term Mental Illness, the National Rehabilitation Facilities Coalition, Rehabilitation Services Administration Task Force on Learning Disabilities, and the National Panel on Supported Employment.

Dr. Pacinelli's awards include the Department of Health, Education and Welfare Supervisor's Award; Special Achievement Award, University of Scranton; Distinguished Service Award from the United Rehabilitation Services; the Penn State College of Education Leadership and Service Award; Switzer Scholar; Who's Who in the East, and the Pennsylvania Rehabilitation Association's Kenneth Hyilbert Award in Administration.

Professional affiliations include the *Journal of Rehabilitation Administration* (consulting editor), National Association of Rehabilitation Facilities, Association of Educators of Rehabilitation Facilities Personnel, Pennsylvania Association of Rehabilitation, Rehabilitation Counseling and Rehabilitation Administration, National Association of Rehabilitation Counseling and Rehabilitation, Rehabilitation Administration; Phi Delta Kappa, Kappa Phi Kappa, and Iota Alpha Delta.

## United Way gifts go to a number of agencies

United Way touches thousands of lives by providing financial support to a variety of agencies—some that may have aided you or a loved one, or provided services to a friend or neighbor in the past.

United Way member agencies are such a diverse group that you may not be aware of the many ways your contribution can help. To give you a better idea of how the United Way makes this a better community in which to live and work, here is the complete list of Centre County United Way member agencies:

American Red Cross Centre Communities Chapter  
The ARC of Centre County  
Boy Scouts of America (Bucktail and Juniata councils)  
Centre County Library and Historical Museum  
Centre County Youth Service Bureau  
Centre Crest Auxiliary  
Clearfield and Centre Counties Society for Crippled Children

Community Alternatives in Criminal Justice  
Community International Hospitality Council  
Counseling Service, Inc.  
Easter Seal Society of Centre-Clinton Counties  
Friendship Community Library  
Girl Scouts—Hemlock Council  
Infant Evaluation Program  
Keystone Legal Services, Inc.  
Local Help and Transient Fund  
Phonofriend, Inc.  
Rape/Abuse Crisis Services of the Women's Resource Center  
The Sight-Loss Support Group of Central Pa., Inc.  
Skills of Central Pa., Inc.  
State College Area Food Bank of Inter-Faith Mission  
Strawberry Fields, Inc.  
Temporary Housing, Inc.  
Wellspring from On Drugs, Inc.  
Voluntary Action Center  
YMCA (Bellefonte Area, Moshannon Valley, and State College Area Family YMCAs)  
Each year, every full-time

employee at University Park Campus is contacted about giving to United Way. During the annual campaign, the traditional blue card affords the opportunity to give either through payroll deduction or cash (check) contribution. A signature is required for payroll deduction.

Continuous giving remains in effect for all payroll deductions. To change your deduction (increase, decrease or cancel), you can fill out the blue form during the annual campaign. At any other time of the year, ask your Human Resources representative for a green United Way payroll deduction card. Change cards also are available from the payroll office.

United Way contributions can be directed to any United Way in Pennsylvania. Direct specific questions about United Way to your United Way volunteer, University Relations (865-2501) or the Centre County United Way (238-8283).

### CONTRIBUTORS ACKNOWLEDGED

From buttons to books, pizza to poultry, local businesses as well as Penn State departments and administrative areas have contributed services and prizes to support this year's University Park United Way campaign. Contributors include: WFSX-TV/Continuing and Distance Education  
The Barash Group  
Bowman Advertising  
Penn State Scenic Printing Services  
Centre Area Transportation Authority (CATA)  
The Smeal College of Business Administration  
Office of Human Resources  
Center for the Performing Arts  
Shaver's Creek Environmental Center  
College of the Liberal Arts  
Noll Human Performance Laboratory  
Penn State Golf Courses  
Stone Valley Recreation Area  
Penn State Bookstore  
University Creamery  
University Resident Theatre Company  
Penn State Alumni Association

## 25-year Awards



Observing 25 years of service at the University in the College of Agricultural Sciences are (from left to right): John Ayers, professor of plant pathology; David DeWalle, professor of forest hydrology; Dale Fetterolf, animal caretaker technician; Mary Johnston, conference coordinator in human resource service; Robert Kessler, county extension director in Franklin County, and Jared Tyson, senior extension agent in Adams County.

## Faculty / Staff Alerts

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course brochure.

#### ■ Accelerated Planning Through Storyboarding PRO 025

Enables participants to use a systematic process for accelerating the creation of a variety of plans. Meets Mondays, Nov. 14, 21, and 28, 1:15-4:15 p.m. in 319 Rider; cost: \$75.

#### ■ Flowcharting in Daily Work CQ1 020

Provides basic information required for flowcharting or process mapping, including discussion of the uses of flowcharts in benchmarking, incremental improvement, and re-engineering. Meets Wednesday, Nov. 16, 1:30-4:30 p.m. in 319 Rider; cost: none.

#### ■ From Overheads to Computer Presentations PowerPoint 4.0 IBM 013

Participants will learn how to create a very readable electronic slides that include graphics. The first session will feature demonstrations and instruction on the use of Microsoft PowerPoint. The second will be a project session for which participants will be asked to bring a set of overheads or a video idea to convert. Meets Wednesday and Friday, Nov. 16 and 18, 9 a.m.-noon in 116 Wagner; cost: \$90.

#### ■ Customer Service for Front-Line Employees CUS 001

Provides participants with an understanding of the role and interaction between customers and front-line personnel. Meets Thursday, Nov. 17, 8:30-11:45 a.m. in 118 Ag. Science and Industries Bldg.; cost: \$35.

#### ■ The Americans w/Disabilities Act (ADA) DIV 002

Offered to individuals who have basic knowledge of the ADA. Participants learn useful skills relating to ADA/disability issues in the workplace. Meets Thursday, Nov. 17, 1:15-4:30 p.m. in 319 Rider; cost: none.

#### ■ Use of Process Control Charts in Continuous Improvement CQ1 021

Reviews process control charts and their role in process improvement methodology. Meets Friday, Nov. 18, 9 a.m.-4 p.m. in 319 Rider; cost: none.

#### ■ Benchmarking CQ1 003

Participants will learn to identify critical processes, define and conduct benchmarking, and imple-

ment benchmarking results. Meets Monday, Nov. 21, 1:30-4:30 p.m., Venus Room, Johnston Hall; cost: none.

#### ■ Introduction to Dos 6.1

Participants will learn about setting up a user environment and working with basic DOS commands. Participants will learn to copy and delete files, create and delete directories, and manage a hard disk. Meets Monday, Nov. 21, 9 a.m.-4 p.m. in 116 Wagner; cost: \$90.

#### ■ Overview of Different Types of Work Teams PRO 033

Provides an overview of work team concepts and applications. Various types of work teams are identified, compared, and contrasted. Meets Tuesday, Nov. 22, 1:15-4:45 p.m. in 319 Rider; cost: \$35.

#### ■ Introduction to Compel 1.0 IBM 017

Provides an introduction to the world of multimedia presentations in the Windows platform. Will help participants to design basic multimedia terminology, design multimedia presentations in Compel, and deliver on-screen, computerized multimedia presentations. Meets Monday, Nov. 28, 1-5 p.m. in 116 Wagner; cost: \$70.

#### ■ Facilitator Training I CQ1 005

Designed for those interested in facilitating CQ1 teams, this course covers the skills necessary for group facilitation, managing the group process, encouraging participation, and making decisions in teams. Meets Wednesday, Nov. 30, 9 a.m.-4 p.m. in 319 Rider; cost: none.

#### Just Quit!

Being a quitter can be a great thing! Especially if you're talking about quitting nicotine addiction. If you are contemplating quitting cigarettes or smokeless tobacco or know you want to quit, then Fresh Start can help you prepare for, and begin, the quitting process. This four-session program jointly offered by Faculty/Staff Health Promotion and the American Cancer Society will help the participant to quit smoking and stay smoke free as well as discuss the three aspects of addiction. Sign up today!

DATE: Nov. 1, 3, 8, 10, Tuesday and Thursday, 12:30 to 2 p.m., 410 Rider Building; cost: free.

This is a shared-time program. Staff should discuss appropriate release time or flexible scheduling with their supervisor. To register, complete the registration form in the Healthy Happenings brochure or HRDC catalog, e-mail JQH3 or call Jan Hawbaker at 865-3085.

## University Park libraries receive upgrades for better service

### New computer terminals and circulation desks make patrons' lives easier

In response to patrons' needs, several facilities improvements have been made to the University Libraries at the University Park Campus.

The University Libraries has installed a new 3M security system that will facilitate a quicker exit. The system, a known technology used in many of the nation's major research libraries and bookstore chains, allows library staff to deactivate circulated items so that they can pass in and out without setting off the detectors. Patrons no longer have to present their library books for review or show their bags.

Since growth of the Library Information Access System (LIAS) into a dynamic, integrated information system that provides electronic access to a great variety of materials in many subject areas, the use of the LIAS terminals has increased significantly. To accommodate more users and alleviate long lines, the Library Computing Services has added 16 new terminals, with another 10 planned for installation by the end of November.

The terminals have been installed not only in Pattee Library, but at most of the branch libraries at University Park.

"During a typical day, LIAS is continually searched by over 600 concurrent users," Nancy M. Cline, dean of the University Libraries, said. "We have heard from many faculty and students how important the new databases are for their work. We are pleased that the Library Computing Services budget could accommodate an expansion in the number of public terminals."

In addition, most of the branch libraries have received a substantial renovation with the installation of new circulation desks.

"Meeting the important needs of the students, faculty, and staff at Penn State, with its many campuses, is an ongoing challenge," Dean Cline said. "We are constantly seeking ways of improving access and expanding the number of information resources we can offer. This fall marks a period of significant improvement."

## PROMOTIONS

### Staff

Monica L. Nachman, administrative assistant III in Office of the President. Jamey R. Perry, assistant director of Student Affairs at Penn State Berks.

Beverly A. Sampson, staff assistant VII in College of Health and Human Development.

Mona Lisa E. Shaw, administrative assistant I in Sports Medicine.

Rebecca L. Slenker, staff assistant VI in Computer and Information Systems-Telecommunications.

Kathy M. Spicer, staff assistant VI in College of Liberal Arts.

Debbie J. Stevens, staff assistant VI at Hershey Medical Center.

Kathryn N. Stocker, staff assistant VI in

School of Communications.

Joanne R. Stoneberg, administrative assistant II in College of Arts and Architecture. Monica H. Thomas, assistant to Financial Officer I in Corporate Controller's Office. Judy A. Tice, staff assistant VI in Computer and Information Systems-Telecommunications.

### Technical Service

Janet E. Reider, maintenance worker, Utility, in Penn State Harrisburg. Irene M. Serpish, dining hall worker A in Housing and Food Services.

Samuel L. Snyder, heating, ventilation, and air conditioning mechanic at Hershey Medical Center.

## Brooks

continued from page 4

auspices, 122 colleges and universities across the country were downlinked recently for an interactive satellite roundtable to discuss the implications of converging technologies for communications education and media professionals.

Dean Brooks and her 12-year-old son, Brian, have settled themselves in Happy Valley — "one of the loveliest places on earth" — and as a downhill skier, she reflects that last winter was a good one to spend in central Pennsylvania.

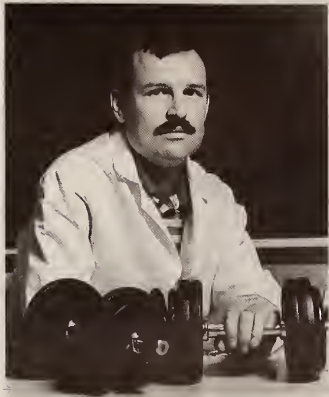
Looking ahead, she sees uncertainty and change — and new responsibility for the media.

"It is going to take some time before we know who will win the race to control which channels of information," she says, "and how news, information and entertainment will be shaped for them. Only then will we be able to get a better sense of whether we as a field of communications study have succeeded or failed the public in creating a higher standard of quality."



## Weight training offers benefits for older adults

*"If findings from the program were a pill, it would be a miracle drug."*



Wayne Campbell, above and at right helping Becky Maurer, staff assistant in Noll Physiological Research Center, with her workout.

Photos: Greg Chico



regulating the metabolic rate is good from an energy standpoint because an adult could take in more calories to maintain body metabolism and not gain weight.

"After the training, an older adult who ate 2,000 calories daily could take in 15 percent more a day, or a total of 2,300 calories, without gaining weight while losing fat."

During the study, subjects had to be convinced to eat more just to keep their weights level.

"We presume that because of the increased energy expenditures to maintain metabolism, if we hadn't increased the caloric intake by 15 percent, these older adults would have lost weight," Dr. Campbell said. "Combine that with the loss of fat mass, and it's positive for weight-control programs."

The study's findings on how resistance training affects energy requirements and body composition of older adults complement other studies that show such training increases both strength and mobility in the elderly and is an effective way to decrease body fat.

In the study, Dr. Campbell and his colleagues spent 14 weeks measuring energy intake and expenditure of a dozen healthy, but sedentary, adults aged 56 to 80, involved in strength training three days a week for 12 weeks. Nine of the adults lived at the research facility during the study.

The adults are a tightly-controlled, yet typical high-quality protein vegetarian diet, supplemented with a milk-based formula. They performed upper- and lower-body weight-bearing exercises, such as bench press, knee extension, knee flexion and front pull-down of weights.

Half the adults consumed the recommended dietary allowance of protein. The rest consumed twice that protein amount daily. But the researchers found that dietary protein intake did not influence the findings.

Dr. Campbell hopes the study changes a common perception that strength training offers limited benefits.

"Some people think weight lifting is not as effective in increasing energy needs as aerobic exercise, so people don't strength train because they think they don't burn as many calories as they do during aerobics."

"But when you include what's burned to maintain a resting metabolic rate increased by strength training and what's burned to maintain or enhance muscle mass, the net effect is that resistance exercise may be even more effective than aerobics at increasing total energy requirements."

Dr. Campbell suggests older adults add strength training to their exercise programs.

"If you're in your 60s and 70s, and even if you run, bike, or swim, you're not immune from age-related decline in muscle mass. But if you're also weight-lifting, you may maintain muscle strength and function in a state similar to when you were young."

— Scott Turner

## Research



Internally  
Counting  
Calories

**N**ormal-weight men who are not concerned with what they eat or what they weigh can eat foods laden with fat or carbohydrates and unknowingly and automatically adjust their subsequent caloric intake, a University nutritionist has found.

These findings are the clearest evidence that some adults regulate food intake based on their bodies' physiological signals," Barbara Rolls, holder of the Helen A. Guthrie Chair in Nutrition in the College of Health and Human Development, said.

The feeding study of 72 adults age 21 to 40 compared the effect of both carbohydrates and fats on hunger and the eating behavior of obese and normal-weight people. The study also shows that eating reduced-fat foods, instead of full-fat versions, could help people reduce their daily intake of energy from fat, if they don't overeat the lower-fat items.

"But the benefit of eating lower-fat food depends on the motivations of the eater," Dr. Rolls said. "If people consume a reduced-fat, such as an excuse to eat other high-fat foods, there may be no overall reduction in fat intake."

Eating large amounts of fat is key to causing and maintaining obesity.

## Hydrogen Peroxide Replaces Hazardous Solvents

**S**cientists have successfully substituted hydrogen peroxide for the hazardous solvents widely used to clean industrial equipment.

This environmentally safe approach cleans residues that become caked on walls of industrial vessels, pipes and valves. It could dramatically reduce reliance on organic solvents that now account for up to 30 percent of the cleaners used in pharmaceutical and chemical industries.

The solvents, including acetone, toluene and methanol, are classified as toxic, hazardous or flammable, and their disposal causes considerable expense, paperwork and liability. In contrast, when hydrogen peroxide reacts, it quickly breaks down into water and oxygen — safe substances.

Fred Cannon, assistant professor of civil and environmental engineering, and graduate assistant Fred Brandt found that a mild hydrogen peroxide solution removed tar and grease residues from glass surfaces such as those used in industrial equipment. Tar and grease represent the most difficult-to-clean residues in the pharmaceutical and chemical industries.

Hydrogen peroxide helps loosen residues that cling to equipment surfaces because it adds oxygen to their chemical structure, which gives them a negative electric charge and makes them more water soluble. The hydrogen peroxide also enhances the cleaning effectiveness of water-based, alkaline detergent cleaners.

**O**lder adults in a 12-week strength-training program had to be fed 15 percent more calories just to maintain their weight while they lost body fat and increased their strength significantly.

Results show that weight lifting upgrades the metabolism of healthy older men and women and is an effective way to burn off calories, said Wayne Campbell of Penn State's Noll Physiological Research Center. He led the research while at the USDA Human Nutrition Research Center on Aging at Tufts University in Boston.

"If findings from the program were a pill, it would be a miracle drug," Dr. Campbell said. With strength training, each adult lost about four pounds of body fat, increased the number of calories required just to maintain their weight, and boosted their strength for the weight-lifting exercises between 24 percent and 92 percent, he says.

"The results lead us to conclude that strength training is a safe adjunct to exercise-based weight control and fat-loss programs for older adults."

One of the study's most profound findings was that strength training boosted the resting metabolic rate of the adults by almost 7 percent.

"More than two-thirds of the adults' increased energy needs were associated with a rise in their resting metabolic rate and the estimated calories they burned directly from the resistance training," Dr. Campbell said.

Resting metabolic rate is the energy burned by a resting body to maintain its chemical and physical activities. Up to 75 percent of the calories burned off daily by an adult goes to maintaining the body's metabolism.

The resting metabolic rate of adults normally declines as they age and is primarily associated with muscle loss.

"The study's findings support the theory that there are increased energy requirements during resistance training and that the boost is partially due to an increased rate of metabolic activity of lean tissue," Dr. Campbell said. "Up-



#### A celebration of cultures

Two members of the Friends of India Student Association participate in an Indian folk dance called the dandia raas. The couple danced recently as part of the annual Navratri religious celebration, held in the Paul Robeson Cultural Center.

This photo was taken by Paul Resch, a student in Photojournalism COMM 269.

#### OBITUARIES

Radha Raman Roy, former head of the University nuclear research program, died Sept. 17. He was 73.

A Ph.D. graduate of Kings College, University of London, he joined the University faculty in 1958. With a grant from the Federal Atomic Energy Commission, he built a Van der Graaf generator which was housed in the square concrete tower next to the Breazeale Reactor at University Park.

In 1963, he joined the faculty of Arizona State University, where he taught for 28 years.

Janet V. Hasselbach, staff assistant V, Penn State Ogontz Campus, since Sept. 9, 1991; died Sept. 25. She was 56.

## Private Giving

# Faculty chair endowed in the College of the Liberal Arts

Penn State alumni William L. and Josephine Berry Weiss of Chicago have committed \$660,000 in new gifts to endow a faculty chair in the College of the Liberal Arts. President Thomas has announced. The Josephine Berry Weiss Chair in the Humanities will help the college to recruit a distinguished scholar in philosophy, history, or languages and literatures.

Josephine Weiss graduated from Penn State in 1950 with a bachelor's degree in liberal arts. She has served on the boards of many Chicago-area civic and charitable organizations.

William Weiss is chairman emeritus of Ameritech, the Chicago-based telecommunications company. He is a 1951 graduate of the College of Engineering and serves on the University's Board of Trustees.

"Bill and Jo Weiss are dedicated to the

advancement of academic excellence at Penn State, and the endowment they have pledged to create will have a profound impact on strengthening an area that is fundamental to the greatness of any university," Dr. Thomas said. "We deeply appreciate their extraordinary generosity, and are honored to name the chair after one of the College of the Liberal Arts' most loyal supporters."

He noted that the new chair would build on the Josephine Berry Weiss Faculty Fellowship in the Humanities, which the Weisses endowed in 1986, and the William L. Weiss Faculty Fellowship in the College of Engineering. These endowments will continue to support their original purpose until the new humanities chair is activated, which will occur in approximately five years.

"Jo and I believe the essential strength of any college or university is the strength

of its faculty," said William Weiss. "If you have great teachers and researchers, you're going to get great students. It's inevitable."

Josephine Weiss added, "Making this gift is also a matter of family pride. My dad graduated from Penn State and many other family members are Penn Staters. We're extremely proud of the University's accomplishments and we want them to continue."

Susan Welch, dean of the College of the Liberal Arts, noted that the Josephine Berry Weiss chair would play an important role in the college's future.

"We are extremely grateful for the generosity of Bill and Jo Weiss," she said. "Their endowment will provide funds for our college to recruit another eminent scholar in the humanities."

Jo Weiss is a member of the executive committee of the Chicago Child Care Soci-

ety, and is a trustee executive committee member and vice chair of the Adler Planetarium.

William Weiss is vice chair of the National Development Council, Penn State's top volunteer advisory body. He retired as chairman emeritus of Ameritech in May, after 10 years as the company's chairman and chief executive officer. Ameritech provides telecommunication and information management services to 12 million customers, mostly in the Midwest.

In May, the Ameritech Foundation announced it was donating \$1.5 million to Penn State to endow the William L. Weiss Chair in Information and Communications Technology in the College of Engineering.

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## PENNSTATE INTERCOM

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Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

November 3, 1994

Volume 24, Number 12

## View from the Top



**We're No. 1** — The Associated Press poll to the contrary, an enthusiastic group of supporters turned out on Old Main Lawn on Friday prior to the Ohio State game to greet Coach Joe Paterno and members of what they believe is the best college football team in the country. The Military Lions did not disappoint their fans, as they crushed the Buckeyes 63-14 in Beaver Stadium. Photo: Greg Grieco

## Applied Research Lab receives \$11.8 million grant

The Applied Research Laboratory and its partner have received an \$11.8 million award from the Department of Defense to develop national standards that will aid in the maintenance and repair of electrical power generators and aircraft.

ARL, along with the Electric Power Research Institute (EPRI) Monitoring and Diagnostic Center, will create a national test site that allows industry and the U.S. Navy to obtain machinery diagnostic and prognostic services via the national information superhighway. EPRI provides diagnostic support to 600 power utilities that are its members.

Through this project, funded by the DOT's Advanced Research Projects Agency, industry and government officials will have access to standard information online to detect potential equipment problems and failures. Early detection, maintenance and repair of machinery could result in substantial cost savings.

Both industry and Navy depots and shipyards, faced with maintaining current aircraft inventory for a longer period of time due to the base realignment and closure process, find increasingly useful the services provided by monitoring and diagnostic centers.

During the first two years, this pilot program will transfer the maintenance technologies developed by ARL and EPRI, for which Bogan, Inc. serves as the contract administrator. ARL, which has already developed step-by-step procedures for forecasting machinery failure, will provide advanced prognostic services to the Navy, while EPRI

will provide remote diagnostic services to electric power utilities.

The long-term goal of this project is to create models that can be accessed by computer users across the country. The modeling principles being developed may be applicable to other industries in the future.

"If this is as successful as we hope, in the future we'd like to see people be able to plug in and enter the proper sensor data and a diagnostic and monitoring center could send back information on what was wrong with machinery, like your car," said Shashi Phoha, head of ARL's Information Systems Department and principal investigator.

Developing a national test site is also important because it may evolve into an electronic marketplace for monitoring and diagnostic centers. The centers could connect users to an expert on a subscription or fee-for-service basis.

"Small and medium-sized businesses will benefit by having access to highly specialized and generic services without prohibitive investments in equipment, maintenance, and training costs," Dr. Phoha said. "Also, with the downsizing of the Department of Defense, the availability of these services on demand and at commercial costs will save costs and increase readiness."

David A. Shirley, senior vice president for research and dean of the graduate school, also sees this project as beneficial to the University:

"This success supports our optimism about Penn State's ability to adapt to new paradigms for research funding," he said.

## United Mine Workers donates archives to University

The United Mine Workers of America is giving its archives — nearly 2,000 cubic feet of historical documents stored in as many cardboard boxes — to Penn State.

"The UMW's historical records are among the most important resources for documenting and understanding the history of the United States," said UMW President Richard L. Trumka. "By giving them to an institution with the facilities and staff to make the best possible use of them, the story of the UMW and its role in shaping 20th-century America can now be better told."

Penn State was among four universities that submitted proposals to house

the archives. The proposals were reviewed by a three-member committee that included UMW's official Bill Banig and two experts in the field of labor archives: Les Hough, administrator of the Walter Reuther Archives at Wayne State University in Detroit, and Bob Reynolds, archivist of the George Meany Center for Labor Studies in Silver Spring, Md. The committee based its selection on such criteria as fiscal commitment to the project, professional staff, scholars in residence, storage and processing facilities, coal and labor-related holdings, and outreach programs for the archives.

"I am delighted that Penn State has

been chosen for this honor," President Thomas said. "This places us at the forefront of universities with significant labor archives. And it is an especially good match for the Commonwealth's land-grant university, with internationally recognized strengths in the earth and mineral sciences, to be the home for this important historical archive."

The United Mine Workers of America has been among the most significant labor organizations in the United States. Its history goes back to the mid-19th century, when Pennsylvania anthracite and bituminous coal miners built their first trade unions.

The UMW has been the leading

force in the labor movement for much of the 20th century, raising coal miners' and other employees' standards of living, pioneering in legislation for collective bargaining rights, extending labor organization to mass-production industries, and developing occupational health and safety programs for communities and regions lacking medical services.

"Penn State and its University Libraries are very honored to have been chosen by the union for the responsibility of organizing and preserving this significant documentary heritage of the

See "UMWA" on page 3

## DIVERSITY

# African American alumni group seeking to boost numbers

From Calvin H. Waller, said to be Penn State's first African American graduate in 1904, to Guion S. Bluford Jr., America's first Black astronaut, to Ron Day-ent, owner of Pittsburgh-based Shortland Broadcasting Network, Penn State's more than 5,000 African American alumni are leaders, professionals and decision makers who make contributions every day to the betterment of this country. They are corporate executives, lawyers, medical and scientific professionals, writers, journalists and business owners, among many other careers and job titles.

All of these Penn State graduates are eligible to be members of the African American Alumni Interest Group (AAAIG), the University's newest alumni group founded in 1993. AAAIG will be holding a group meeting themed "Building Arks for the Future," Nov. 5, at the Holiday Inn-City Centre, Philadelphia.

At this meeting the AAAIG will be looking for ways to implement the vision of the organization and to decide what direction to take.

"AAAIG is looking for ways to strengthen the ties between African American alumni and African American students at Penn State, to enrich their college experiences and enhance their career options,"

**"AAAIG is looking for ways to strengthen the ties between African American alumni and African American students at Penn State, to enrich their college experiences and enhance their career options."**

Donald L. Campbell  
AAAIG president

said Donald L. Campbell, chairman, president and CEO of Century Technologies Inc. (CENTECH) of Silver Spring, Md. and president of AAAIG.

"AAAIG's mission is to assist the University in the recruitment and retention of African American students, faculty and staff; to encourage and support educational and care opportunities for African American students; to assist in the provision of financial support to African American students," Mr. Campbell said. "Also it is to provide means by which African American alumni may be involved in the affairs of the University; to foster a sense of pride and commitment to the University; and finally to establish the AAAIG organizational infrastructure that will further the goals of the Penn State Alumni Association and the University."

For more information, contact Sandra Johnson, director of the Minority Engineering Program, at 865-7138.



### Festival talk

Discussing plans for the Multicultural Winter Festival are, from left, Christine Patterson, assistant director of the Paul Robeson Cultural Center; John Brighton, executive vice president and provost of the University; and Shar Marbury, of the Penn State Bookstore.

Photo: Greg Grieco

## Plans under way for Winter Festival

The Central Pennsylvania Women of Color and the President's Commission on Racial/Ethnic Diversity at Penn State are sponsoring the Multicultural Winter Festival at 8 p.m. Saturday, Dec. 10, in the Colonial Room in the Nittany Lion Inn at University Park.

The honorary co-chairs for this event are John Brighton, executive vice president and provost of the University, and Shar Marbury from the Penn State Bookstore. This evening of a "Celebration of Diversity" promises to be a cross-cultural learning experience set in a night of fun and frolic, complete with ethnic food. The band "Code Blue" features Terri Lynn Dowdy, financial officer for the Pattee Library, as the chanteuse for the evening.

The Central Pennsylvania Women of Color serves as a network to build cross-cultural understanding and friendships among all women. The President's Commission on Racial/Ethnic Diversity is a university-wide group that advises the President on matters relating to cultural diversity.

The tickets for this evening are \$15. Contact Christine Patterson, assistant director of the Paul Robeson Cultural Center, at 865-1779 for tickets and more information

## Diversity Briefs

### "Genetics and Sexual Orientation" lecture

Angela M. Pattatucci, associate investigator at the National Cancer Institute, psychology and genetics of sexual orientation researcher, will discuss "Genetics and Sexual Orientation" at 4 p.m. Monday, Nov. 14, in 101 Agricultural Science Building at University Park.

Her presentation is part of the "Contemporary Scholarship on Gay and Lesbian Lives Lecture Series: 1994-95." Coordinators of the series are Anthony D'Augelli, professor of human development, and Sallie McCorkle, assistant professor of arts.

### Minority Student Leadership Summit at Shenango

The Penn State Shenango Campus Minority Affairs Office and the Students for Cultural Diversity will host the First Minority Student Leadership Summit, "A Meeting of Our Minds," at 10 a.m. Saturday, Nov. 12, on the campus grounds. Participants invited to this year's summit include minority organizations from Penn State McKeesport, Shenango, Beaver, New Kensington, and Fayette campuses; Youngstown State and Slippery Rock universities; and Westminster and Thiel colleges.

The summit is designed to empower the leaders of the future by providing them with the tools

and inspiration necessary to be successful in today's society. The workshops offered include discussions on: "Do I have what it takes to be a leader?," "What are the issues and concerns of minority students?," and "The importance of higher education to the African American Community."

The facilitators of the Leadership Summit are Lenard Shotwell and Shawn Wiley, admissions counselors, Philadelphia Recruitment Center, and Keith T. Smith, minority affairs coordinator, Shenango Campus.

For more information, call Keith Smith at (412) 983-5865.





**Doing battle**

A member of the State College Field Hockey Club (left) vies for the ball with adviser Don Voigt, a research assistant in geosciences. This photo, taken by student Brian Ward, was part of a class assignment for Photojournalism COMM 263.

## News in Brief

### PSEOP meeting

Penn State Educational Office Professionals (PSEOP) will hold a special topic meeting on "Ritounor Health Center Services for Penn State Faculty/Staff" at 12:10 p.m. Friday, Nov. 4, in Room 101 Kern Graduate Building on the University Park Campus.

PSEOP is a professional organization whose membership consists of faculty, staff, student non-exempt, technical services. The Penn State chapter is affiliated with the Pennsylvania Association of Educational Secretaries and the National Association of Educational Office Personnel. All PSEOP special topic meetings are open to the public.

### International Lecture Series

The International Lecture Series presents its third lecture of the academic year at 9:30 a.m. Thursday, Nov. 10, in the International Lounge, 222 Boucke Building, University Park.

Brian Towers, professor of international relations at the University of Strathclyde, Glasgow, Scotland, and visiting professor in the Department of Labor Studies, will discuss "British Higher Education: Some Recent Developments."

### Career changes program

Career Development and Placement Services and the Center for Adult Learner Services are co-sponsoring a program titled "Interested in Exploring a Career Change or Considering Further Education?—If So, Join Us" at 7 p.m. Wednesday, Nov. 9, in 424 Boucke Building at University Park.

Presenters will be Marcia Pomeroy, coordinator, Career Development and Placement Services, and Diane Resides, Center for Adult Learner Services.

For more information, contact the Center for Adult Learner Services at 863-3887 or stop by 323 Boucke.

### Science Menu Service

The Penn State Chapter of Sigma Xi The Scientific Research Society has established the Science Menu Service which provides a selection of speakers from the University to lecture or demonstrate at the State College Area High School during the academic year.

The first lecture will be held at 3:30 p.m. Tuesday, Nov. 8, in Room 230 in the high school's South Building. Warren Witzig, professor emeritus of nuclear engineering, will speak on "The Manhattan District Project." Dr. Witzig is one of the original researchers who worked on the project 50 years ago.

### "The Sandwich Generation"

Professional Women at Penn State hosts "The Sandwich Generation" with Beth Van Horn and Carol English at 11:45 a.m. Tuesday, Nov. 15 in the Memorial Lounge of Eisenhower Chapel at University Park. They will discuss the problems of being the generation in the middle.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters. The

group welcomes attendance by both males and females in all job and student classifications at the University.

### Washington trip

The College of Arts and Architecture Student Center is sponsoring a trip to Washington, D.C. on Saturday, Nov. 12. The group will leave at 7 a.m. and return at 11 p.m.

Cost is \$20 per person. Sign-up is available in Room 229 Arts Building, Room 206 Engineering Unit C, or at the HUB table through Friday, Nov. 4. For more information, contact Vicki, Kristen, or Doug at 862-6608, or 862-0633.

### Fellowship deadlines

Deadlines for the Jacob K. Javits Graduate Fellowships and the National Security Education Program Graduate International Fellowships are rapidly approaching.

The Javits Fellowships, which provide tuition payment and stipend to qualified students in selected areas of the arts, humanities, and social sciences with less than 30 semester hours or 45 quarter hours or credit, are due by Nov. 28.

Applications for the NSEP Fellowships, which support outstanding students who wish to develop expertise in a language, culture, or area less commonly studied in the U.S., must be completed by Nov. 30.

For additional information, applications, or assistance in pursuing these awards, please contact the Fellowship and Awards Office in 313 Kern Building (865-2514).

## UMWA

continued from page 1

UMWA," Nancy Cline, dean of the University Libraries, said, "By placing these research materials in an academic library, we will open many new opportunities for research in American labor studies. We look forward to making these important research materials available to a broad base of scholars and students."

Dean Cline said the processing of UMWA archives will be a top priority, but that it will take months to get a collection of such magnitude ready for full public use. During the transition, however, the University Libraries will entertain requests from scholars to use the materials.

The UMWA archives include correspondence, convention proceedings, details of contract negotiations, photographs, and documents from the union's many offices.

The historical records in the UMWA's possession — currently stored in warehouses in Washington, D.C., and northern Virginia — date back to 1909. Those initially transferred to Penn State will go up to 1972, when UMWA reformers took office after a government-supervised election. Additional records will be transferred to Penn State every five years.

Among the records are rare resource materials chronicling the rise of industrial unionism in the 1930s under UMWA leaders John L. Lewis and Philip Murray as well as the dramatic split between the Lewis-led Congress of Industrial Organizations (CIO) and the American Federation of Labor (AFL).

The archives include information about the infamous 1914 massacre of miners and their families at a tent encampment in Ludlow, Colo., as well as the Battle of Blair Mountain and the Matewan Massacre in West Virginia in the early 1920s.

Also included are materials relating to the epic strikes waged in the 1940s and the union's conflicts with U.S. Presidents Franklin Delano Roosevelt and Harry Truman.

With the gift of the UMWA archives, Penn State will offer one of the most significant hard labor archives in the United States. The University Libraries already houses the United Steelworkers' archives, as well as those of the Pennsylvania Federation of Labor, the Pennsylvania AFL-CIO, Labor's Non-Partisan League, and the Pennsylvania Industrial Union Council.

"Pennsylvania is in so many ways the crucible of America's industrial transformation," Dean Cline said. "The gift of the UMWA archives intensifies and strengthens our holdings and Penn State's value to students and scholars who are doing research related to coal mining and miners, the labor movement, industrialism, energy politics, industrial sociology, and so forth."

The gift is also appropriate because many Penn State campuses are located in coal field communities across the Commonwealth. Many of our students, faculty, and staff live in or come from coal-mining communities. We want to give the UMWA archives high visibility because coal mining is such an important part of the industrial heritage that undergirds the University."

## LEADERSHIP PROFILE



Allen C. Meadors, Altoona Campus CEO, hard at work.

**A**UTUMN IS ESPECIALLY GRACIOUS TO THE ALTOONA CAMPUS.

The changing leaves add another dimension to a setting that has been naturally favored with a stand of magnificent old trees and enhanced by the planting of many newer exotic varieties.

Ducks and geese float on the large pond by the Slep Student Center, and as students leave their classes at noon, they are accompanied by strains of music from a tall brick carillon.

Altoona's new CEO, Allen C. Meadors, recognizes that this bucolic atmosphere is an important recruiting plus, but he is also quick to point to the new educational contributions the campus is intent on providing.

"Right now we are laying the groundwork for a four-year B.S. degree in electro-mechanical engineering technology," he says. "We'll enroll our first students in the Fall 1995 semester, and we will be one of only four schools in the nation — none of which is in Pennsylvania — to offer this degree."

The program, designed to equip its graduates to deal with complex digitally-controlled equipment, will initially accommodate 50 to 60 students who have already earned their associate degrees in either electrical or mechanical engineering technology.

Dr. Meadors notes that plans also are going forward to provide an evening class schedule for currently

employed engineers who cannot attend a daytime program.

At the same time, the Campus Advisory Board is spearheading a fund raising drive for the construction of an Advanced Technology Center that will provide state-of-the-art laboratory space for the new engineering program.

"There's a genuine need in Blair County to give residents who can't leave their jobs and families the opportunity to earn a four-year degree at home," Dr. Meadors continues. "We already have about 40 adults at junior and senior levels working toward a General Arts and Sciences Degree."

"Local support has been critical to the survival and enhancement of this campus since its founding. Community-raised funds have provided 30 percent of the construction costs for our buildings."

The second largest unit in the CES system, enrolling some 2,450 students, Altoona is a residential campus with 575 dormitory spaces. Dr. Meadors believes that an enrollment of 3,000 is "very attainable" and is hopeful that 300 additional residence hall spaces can be built by Fall 1996 to house the many students who must now be turned away.

"Altoona attracts more applicants from outside its service area than any of the other Commonwealth Campuses," according to Dr. Meadors.

The campus first saw life in 1939 as the Altoona Undergraduate Center, and six years later moved to its present

site on the grounds of the former Ivy-side Amusement Park. Some of the campus's older trees were originally planted to shade picnickers in the park. Over the years, purchases of land have increased the size of the campus to its present 115 acres with a cadre of 19 buildings.

Dr. Meadors, who took up his duties last February, brings with him many years of experience as an administrator and educator. Starting out as a captain in the Air Force, he served as an administrator for Blue Cross and Blue Shield of Kansas and as assistant director of health for Kansas City, MO. He helped plan, set up and direct the Northwest Arkansas Radiation Therapy Institute, for which he raised some \$3.5 million during its first 12 months of existence.

His academic experience has included posts at Southern Illinois and Webster Universities, as well as at the University of Texas at Galveston. He was professor and chair of the Department of Health Administration at the University of Oklahoma's College of Public Health, where he also served as interim dean.

Prior to coming to Penn State he spent four years as a professor and the first dean of the newly-formed College of Health, Social and Public Services at Eastern Washington University in Spokane.

In addition to a doctorate in administration and education conferred by Southern Illinois, he holds a bachelor's degree in business administration from the University of Central Arkansas and four master's degrees. The latter are in business administration (University of Northern Colorado), public administration (University of Kansas), psychology/human relations and health services management (Webster).

## ALLEN C. MEADORS

### HAVING A MEANINGFUL IMPACT ON THE NEXT GENERATION

"WE HAVE A CHANCE TO INFLUENCE PEOPLE'S LIVES NOT JUST FOR FOUR YEARS, BUT FOREVER."

"I've always believed that academic administrators have an obligation to keep up their scholarship and teaching," Dr. Meadors says. "So I have continued to do research and publish in the field of health care, and I try to teach two classes a year."

"This kind of activity not only keeps you current in your area but also gives you a real appreciation for the amount of time faculty must spend in preparing their lectures and publications."

Although the accents of his native Arkansas are still apparent in his speech, Dr. Meadors feels a real sense of homecoming in Pennsylvania.

His wife Barbara was born in Lancaster County and has three brothers living in the East, so the couple look forward to having their sons, Tyson, 11, and Jarrett, 9, become better acquainted with their uncles and cousins.

An academic setting, Dr. Meadors believes, offers faculty and administrators unparalleled opportunities for a richly fulfilling life.

"We have a chance," he says, "to influence people's lives not just for four years but forever. If we can give young people confidence in themselves and help them to become involved in their campus community, maybe when they leave college, they will see that they also can make a difference in the communities where they settle."

"Maybe they'll get involved with Scouting, or volunteer at their hospital, or serve on the board of the local Chamber of Commerce. The important thing is that they become involved and enrich their own lives and others."

"Short of the ministry, I can't think of any other profession that kind of truly meaningful impact."

PENNS STATE





## Renovated building at Mont Alto rededicated

Conklin Hall on the Penn State Mont Alto Campus was rededicated to the service of campus students in ceremonies on Saturday, Oct. 22.

Conklin Hall, built between 1907 and 1911 to serve the students of the Pennsylvania State Forest Academy, is now the home of the Founders Student Center, a health care suite, commuter lockers, a study lounge, the Continuing Education classroom and the offices of the Continuing Education and Student Affairs staffs.

The facility was the focus of the campus' first capital fund drive which raised a total of \$600,000 toward the \$1.3 million renovation project to return the 17,640-square-foot building to active status at the campus. Today it provides much needed space for student-oriented activities—from admissions and counseling to health care and recreation.

During the rededication ceremony, Corrine Caldwell, campus executive officer, spoke of Conklin Hall's original construction and its many uses as classroom building, library and a dormitory for both students and faculty.

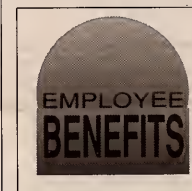
With the addition of the General Studies Building in 1927, Conklin Hall became solely a residence hall, serving in that capacity when the campus became part of Penn State in 1929. Still new facilities were opened in 1989. From 1989 until the renovation project began in early May 1993, the building provided temporary office space.

John Z. Shearer, of Chambersburg, chair of the Campus Advisory Board, commended the campus alumni and members of the community who had the vision to see what a renovated Conklin Hall would mean to campus students.

Announcing the major contributors whose names are featured on plaques throughout the building, he said, "I think our willingness to support comes from a feeling of pride. Not just our pride in being part of Penn State, but a pride in the way lives are changed here at the Mont Alto Campus.

"We want you to know that everyone who contributed to Conklin Hall is an important person at the Mont Alto Campus."

Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System, cut the ribbon and thanked the donors and members of the Advisory Board for their participation, calling the Mont Alto Campus a "special place."



A regular column provided by the Office of Human Resources

### Time to choose your 1995 benefits

The benefit enrollment period for 1995 coverage is under way and runs through Nov. 30. The enrollment period provides faculty and staff with the opportunity to switch from one medical plan to another and to make other benefit elections.

Enrollment packets explaining the benefit options have been sent via campus mail. The 1995 medical plan options for most campus locations will include health maintenance organizations (HMO), the preferred provider organization (PPO), Health pass, and Plan A, the hospital, surgical, major medical plan. The medical plans available at each location are provided in a detailed description of all University benefit plans, included with the information. Information and comparisons of the medical plans are found in the HealthAmerica portion of the packet. Faculty and staff are encouraged to learn about each available option since each offers specific advantages.

The major advantage to an HMO is virtually 100 percent coverage, including preventive care and routine office visits when care is provided by (or coordinated by) a primary care physician. A list of the participating primary care physicians is included in the HealthAmerica packet.

The major advantage to the Healthpass PPO is a very little out-of-pocket expense when you use a network provider. There is unlimited physician choice but at a higher cost when physicians are selected outside of the participating provider network. A list of participating Healthpass physicians also is included in the HealthAmerica packets.

Plan A provides unlimited physician choice. However, costs to the faculty and staff member

can be higher than in Healthpass. Plan A is recommended for faculty planning sabbatical leave, since there is no network associated with the plan.

Included in the information packet is a personalized benefits statement indicating the University benefit programs in which you currently are enrolled. If you wish to switch from one health plan to another, complete the switch enrollment form included in the medical plan packet. You only need to complete the switch form if you are changing medical plans. The effective date of the change is Jan. 1, 1995. If you need to change your name, address, or dependent information, please contact the Employee Benefits Division to obtain the necessary forms.

Faculty and staff members who wish to enroll in Flexible Benefits Option I (Contribution Conversion), Option II (Healthcare Expense Reimbursement) or Option III (Dependent Care Reimbursement) may do so. In addition, to continue participation in either Penn State Flexible Benefit Option I or Option II, the faculty or staff member must complete the Flexible Benefit election form for 1995. If you are currently participating in Flex Option I, which allows you to make your contributions for medical, dental, vision and the first \$50,000 of life insurance coverage on a pre-tax basis, the option will continue.

Also, included in the enrollment packets is information regarding the following benefits:

- Maintenance Prescription Drug Plan (MPDP)
- National Prescription Administrators (NPAY)
- Employee Assistance Program (EAP)
- Voluntary Accidental Death and Dismemberment (VADD)
- Long Term Disability and Annuity Premium Benefit
- Life Insurance

When you receive the enrollment material, please review it carefully. Questions regarding the medical plans should be directed to HealthAmerica. Additional information about the other benefits is available by contacting the Employee Benefits Division at (814) 865-1473.

A series of Benefits Open Houses is being conducted at University Park for those who can attend and wish additional information. During the month of November, Benefits Open Houses will be held from 8 a.m. to 4:30 p.m. Nov. 8, 101 Kern Bldg.; Nov. 18, Fishbowl-HUB.



### What's the Difference? CQI Leads to Process Improvements

In the University Libraries: The Interlibrary Loans Team eliminated 35 percent to 40 percent of the steps in their work flow.

■ In the Department of Human Development and Family Studies: Results of surveys of students by the Undergraduate Student Academic Advising Team led to the hiring of an academic adviser.

■ In the College of Engineering: Workshops on the preparation and processing of research proposals are now offered each semester for engineering faculty and support staff; a technical editor has been assigned to assist with proposal preparation, and software has been purchased to track proposals and awards—all at the suggestion of the Research Proposal Team.

■ In Continuing and Distance Education: Recommendations made by the Conference Registration Team led to improvements in the quality of the documents and notifications sent to clients. Also, a reduction in the weight of materials sent to conference resulted in a 50 percent savings for mailing costs, and the registration process was simplified by eliminating 13 steps.

■ In the Office of Physical Plant: Mechanical/electrical trades technical service employees can order up to \$500 in parts on their signatures alone—the previous amount was \$100. This change eliminates one to two weeks from the ordering process. On Nov. 1, "Mini-jobs" was initiated. This procedure, developed to provide quick response to and coordination of job requests, will allow customers to place a small job or small renovation project into the system.

■ In the Office of Human Resources: Results of a survey of Penn State retirees/widow(er)s conducted by the Billing Retirees Team, were used to improve billings for benefits. The new self-sealing bills are sent out semi-annually and provide more information than the old billing card, such as hospital plans and coverage, life insurance, capital telephone numbers, and a better description of account adjustments.

### CQI Networking Meeting

CQI facilitators, leaders and sponsors will meet to network and hear about "The Perks and Pitfalls of Being a Team Facilitator" on Nov. 9, from 3:30 to 5 p.m. in the Old Main Alumni Lounge. Presenters are: Steve Kreiser, an industrial engineer in the Office of Human Resources, who facilitates the Chemical Management Team and several CQI teams at Berks Campus; Yvonne Patterson, a physician in University Health Services, who facilitates the Student Academic Advising Team in the Department of Human Development and Family Studies; and Cmdr. Barbara Sherlock, executive officer for Naval ROTC, who facilitates the IBIS Team in the Eberly College of Science. Let the CQI Center know (863-8721) if you would like to attend this session.

# The ARTS

AT PENN STATE

## Lecture series

The following lectures will be held on the University Park Campus as part of the "Women in Architecture" lecture series:

**Beatriz Colomina**, assistant professor at Princeton University and author of *Privacy and Publicity. Modern Architecture as Mass Media*, will present a lecture, "Battle Line = E 1027," at 7 tonight in 22 Deike Building.

**Karen Bausman**, partner in Bausman/Gil Associates, New York, and Eero Saarinen visiting professor of architecture at Yale University, will lecture at 7 p.m. Thursday, Nov. 10, in 108 Wartik Building.

**Donna Selene Seftel**, architect, New York, will present a lecture at 7 p.m. Thursday, Nov. 17, in 112 Walter Building.

**Felicia Davis**, assistant professor, New York Institute of Technology, will present a lecture, "The African Burial Ground," at 6 p.m. Friday, Dec. 2, in 112 Walter Building.

All scheduled lectures are free to the public.

## University Choir

The Penn State University Choir will present its annual fall concert "We Are One!" at 4 p.m. Sunday, Nov. 6, in the School of Music Recital Hall on the University Park Campus.

The choral repertoire will encompass Hispanic, Jewish and African cultures. Nine Nomine, a student-conducted chamber ensemble, will sing a cappella selections from their fall repertoire. Two South African Freedom Songs, accompanied by percussionists and drummers from Penn State's "Normo" African dance troupe will conclude the presentation.

Guest artists include Elizabeth Asmus, harp; Dan Armstrong, associate professor of percussion at Penn State; percussion; Timothy Black, boy soprano. The University Choir is conducted by Lynn Drafil, assistant professor of music, and Tony Leach, instructor in music.

Tickets are \$4 for adults; \$2 for students. For advance ticket information, contact the School of Music Office, open Monday through Friday, 9 a.m. - noon and 1-4 p.m. at (814) 865-0431. Tickets will be available at the door the night of the concert.

## Flute ensemble

The Penn State Flute Ensemble, under the direction of Eileen Yarrison, instructor in music, will perform in concert at 8 p.m. Tuesday, Nov. 7, in the School of Music Recital Hall on the University Park Campus.

The program will feature works for both large and small groups of flutes and will include the use of piccolo, alto, and bass flutes. A highlight will be a performance of the Aria "Es ist nichts Gesundes an meinem Leibe" from Cantata BWV 25 by J.S. Bach, during which the ensemble will be joined by soprano, Christine Mullen. The concert is free to the public.

## Mallet ensemble

The Penn State Mallet Ensemble, under the direction of Dr. C. Armstrong, associate professor of percussion, will perform its annual fall concert at 8 p.m. Tuesday, Nov. 8, in the School of Music Recital Hall on the University Park Campus.

The concert will feature two students, Gary Yaple, freshman percussion major, and Michael Hooper, sophomore percussion major, accompanied by the ensemble.

A minimalist marimba quartet by William Duckworth and "Scherzoid," an arrangement edited by Chicago Symphony Orchestra principal percussionist Gordon Peters, also will be performed. The rest of the program will include music by Mendelssohn and Saint-Saens.

The concert is free to the public.

## Flutist to perform

Internationally-known flutist James Galway will perform at 8 p.m. Wednesday, Nov. 8, in Eisenhower Auditorium on the University Park Campus.

Mr. Galway, accompanied by pianist Phillip Moll, will perform Mozart's Sonata in F Major, K. 376, Prokofiev's Sonata in D Major, Op. 94, Copland's Duo (1971), Kuhlau's Variations on "The Last Rose of Summer," Op. 105 and Doppler's Airs Valagues, Op. 10.

The Belfast-born flutist has been performing internationally for more than 25 years, appearing throughout North America, Europe and Asia with several different accompanists and orchestras.

For ticket information contact the Eisenhower Ticket Center, open Monday through Saturday, 8:30 a.m. - 4:30 p.m. at (814) 863-0255.

## Singing Lions

The Singing Lions, directed by Peter Kiefer, will perform in concert at 12:10 p.m. Thursday, Nov. 10, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music

and the University Lutheran Parish.

Repertoire for the concert will include "Can't You Feel It" a medley of Walt Disney song hits, "America, Where Are You," "America, Our Heritage" and "Sing! Sing! Sing!" The Singing Lions have 19 singers, three instrumentalists, and three technical crew members. Keith Spencer, an undergraduate marketing major, is the assistant director.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## Combined concert

The 64 members of the Penn State Concert Choir and Chamber Singers will mark the conclusion of their three-day fall tour within the Commonwealth with a concert at 8 p.m. Saturday, Nov. 12, in the School of Music Recital Hall on the University Park Campus.

The Concert Choir's repertoire for this concert will include two movements from Bach's "St. John Passion." The choir also will sing several works by composers from the European cities the choir will tour this May. In addition the Concert Choir will sing several works by American composers and arrangers.

The 24 voices of the Chamber Singers, selected from within the Concert Choir, will sing several pieces by Orlando di Lasso, arguably the most accomplished composer of the 16th century. The Chamber Singers' repertoire will include Italian madrigals, French chansons, and German lieder.

D. Douglas Miller, professor of music, is conductor of the Concert Choir and Chamber Singers. Paul McPhail, a graduate conducting major, is the assistant conductor.

Ticket are \$4.50 for adults; \$2.50 for students. For advance ticket information, contact the School of Music Office, open Monday through Friday, 9 a.m. to noon and 1 to 4 p.m. at (814) 865-0431. Tickets will be available at the door the night of the concert.

## Greeting cards

The Hershey Medical Center is, once again, selling holiday greeting cards drawn by pediatric cancer patients who have benefited from The Four Diamonds Fund. A pack of twenty cards costs \$8. All money raised from the sale of the cards goes to The Four Diamonds Fund which benefits pediatric cancer patients at the Penn State University Children's Hospital.

This year's four designs were drawn by Jordan Amdt, 8, of Hershey; Heidi Getz, 11, of Mechanicsburg; Casey Moore, 13, of Harrisburg; and Colby Hoch, 3, of Old Zionsville.

Cards are available at the Office of University Development in the University Communications Center on Sipe Avenue in Hershey; the College of Medicine Bookstore; the Medical Center's Gift Shop; and from the

Friends of Four Diamonds Satellite Groups in Berks, Cumberland, Dauphin, Lancaster, Lebanon and York Counties.

For more information call the Office of University Development at the Medical Center (717) 531-6865.

## Odyssey on WPSU

Vincent Eoyang and host Leonard Rubinstein probe into the fascinating theory of chaos, and the logic that separates the Eastern cultures from the West, on the next episode of *Odyssey Through Literature*.

Mr. Eoyang illustrates the Eastern philosophy, in which, "chaos is the default, and order is the exception." He also explains how Western logic can hinder the expansion of our minds saying that, "American education in some ways has failed to train people to think of more than one thing at a time.... What we know sometimes creates an impediment to what we don't know. Science is a case where the more we know, the less we will learn, in terms of knowledge that does not conform to what we already know."

*Odyssey Through Literature* is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Berks Campus

*La Vida Latina: The Artist's View*, subtitled "Feelings, Frenzy, Fury," is on display at the Freyberger Gallery at the Penn State Berks Campus, through Dec. 1. It features four Latino artists selected for their original and energetic works. All four are from the Philadelphia area.

Doris Nogueira creates large scale paintings relating to nature and memories of her native Brazil.

Edwin Arocho, who studied art in Puerto Rico as well as Philadelphia, creates festive masks and is an accomplished silk screen printer.

Martin Soto, who moved to Philadelphia from Chicago, paints works that are hauntingly beautiful and deeply personal.

Jose Castro is pursuing his master's degree at the Tyler School of Art in Philadelphia. His imagery is full of excitement and the realities of the streets.

## Fayette Campus

Coal & Coke Art, an exhibit of art created on the site of the old area of Southwest Pennsylvania, will open Nov. 11 at the Penn State Fayette campus Library. It will continue until Dec. 22.

Sponsored by the Patch/Work Voices Coal & Coke Project and the Folklife Coal & Coke Documentation Center, the exhibit features local and regional art, in a variety of mediums, depicting many aspects of the area's coal industry history.

Funding and support for the exhibit was provided by the Penn State Fayette campus, the Southwest Pennsylvania Heritage Preservation Commission, the Department of Community Affairs, and Dr. and Mrs. Robert E. Eberly.





# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, November 3

Continuing and Distance Education Scholars' Forum, 9 a.m., Alumni Lounge, The Nitany Lion Inn. James S. Fairweather on "Faculty Reward Structures: The Relative Value of Teaching, Research and Public Service."

Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Active and Collaborative Learning." To register, call 863-2592.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Concert Choir.

University Libraries, 6:30 p.m., 102 Classroom Bldg. Registration not required.

Women in Architecture, 7 p.m., 22 Deike Bldg. Beatriz Colomina on "Battle Line = E.1027."

Libri, 7 p.m., WPSU, 91.5 FM. Interview with Professors William J. Duiker and Jackson J. Spielvogel, authors of *World History*, a new college textbook.

ContEXTs, 7:30 p.m., WPSU, 91.5 FM. Host Travis DiNicolia interviews Beatriz Colomina, author of *Privacy & Publicity: Modern Architecture as Mass Media* (MIT).

### Friday, November 4

Educational Office Professionals, 12:10 p.m., 101 Kern. Special topic meeting, "Ritner Health Center Services for PSU Faculty/Staff."

Jewish Studies Program, 3:30 p.m., Lecture Hall, Palmer Museum of Art. Julius S. Held on "The Holocaust from a Distance."

Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Alan M. MacEachren on "Scientific Visualization: Should We Believe What We See?"

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "The Secret Garden." Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Tim Hertz, oboe.

### Saturday, November 5

Film: "Plunder!", 1 p.m., Palmer Lipson Auditorium.

■ Film: "The Ancient Peruvian, Cuzco... In the Valley of the Incas," 2 p.m., Palmer Lipson Auditorium.

### Sunday, November 6

School of Music, 4 p.m., Recital Hall. Penn State University Choir. Tickets required, call 863-0431.

### Monday, November 7

School of Music, 8 p.m., Recital Hall. The Penn State Fute Ensemble.

### Tuesday, November 8

Election Day. Benelli Open House, 8 a.m.-4:30 p.m., 101 Kern Bldg.

"Junior Nature Explorers," 12:30 p.m., Shaver's Creek. Designed for 3- and 4-year olds and their parents. Also Nov. 10. Call 863-2000.

InnerVisions/Film: Savivors, 7 p.m., Conference Room, Paul Robeson Cultural Center.

■ Art History, 8 p.m., Palmer Lipson Auditorium. Alessandro Nova on "The Renaissance from Milan to Venice: Discoveries in 15th and 16th Century Art of Northern Italy."

School of Music, 8 p.m., Recital Hall. The Penn State Mallet Ensemble.

### Wednesday, November 9

Center for Adult Learner Services, 7 p.m.,

424 Boucke Bldg. Program titled, "Interested in Exploring a Career Change or Considering Further Education? - If So, Join Us."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. James Galway, flute. Tickets required, call 863-0255.

### Thursday, November 10

■ International Programs, 9:30 a.m., 222 Boucke Bldg. Brian Towers on "British Higher Education: Some Recent Developments."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Singing Lions.

Women in Architecture, 7 p.m., 108 Wartik Bldg. Karen Bauman and Eero Saarinen, speakers.

■ Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. A review of historian John Boswell's "Same Sex Unions in Premodern Europe" with guest James Sweeney.

ContEXTs, 7:30 p.m., WPSU, 91.5 FM. Librarian Steven Herb serves as guest host for a ContEXTs review of new children's books.

N.W. Owsida Lecturehip in Journalism Ethics, 8 p.m., Carnegie Cinema. H. Eugene Goodwin, speaker.

### Friday, November 11

Veterans Day. ■ Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Mary Linda on "Views of Ancient Peru."

■ Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Christopher F. Uhl on "Solving Complex Resource Questions in the Eastern Amazon."

Speech Communications, 8 p.m., Schlow Library's meeting room. Tony Lentz will perform two stories which won the Young Lehman Award for fiction this year from the English Dept. Also Nov. 12.

### Saturday, November 12

Office of Minority Faculty Development Workshop, 9 a.m., 114 Kern Graduate Bldg. Blainie Bowen on "Promotion and Tenure." For reservations, call 863-1663 by Nov. 8.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "Rhythm in Shoes." Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Penn State Concert Choir and Chamber Singers.

### Sunday, November 13

Film: "Plunder!", 1 p.m., Palmer Lipson Auditorium.

"Teambuilding for Two," 1 p.m., Shaver's Creek. Call 863-2000.

Film: "Discovering the Moche: The Forgotten Art of Chancay," 2 p.m., Palmer Lipson Auditorium.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Aladdin and the Magic Lamp. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Penn State's Women's Chorus. Tickets required, call 863-0431.

School of Music, 8 p.m., Recital Hall. Penn State Brass Quintet.

## SEMINARS

### Thursday, November 3

Ceramic Science, 11 a.m., 301 Steidle. Mart Fleming on "New Directions for Materials Research and Education."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Fer-

nando Barbero on "Ashtekar Variables: New Results from Old Ideas."

■ Center for Russian and East European Studies, noon, 102 Weaver Bldg. Victor Israeli on "The Present Situation in Russia."

Accounting, 3:30 p.m., 333 Beam Bldg. Anne Beatty on "The Effects of Fair Value Accounting on Investment Portfolio Management."

Physics, 3:30 p.m., 101 Osmond Lab. Edward Hinds on "Experiments on an Atom in a Micro Size Cavity."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Joseph M. Scandura on "The New CASE (Cognitive Approach to Software Engineering): Methodology and the Fiexys System."

Electrical Engineering, 4 p.m., 123 EE East. Harry Bell on "Leadership Roles in Large Corporations."

### Friday, November 4

Entomology, 11 a.m., 101 ASI Bldg. Allan Rosenblatt on "The Environmentalists' Viewpoint."

Condensed Matter, 1:15 p.m., 339 Davey Lab. Andrew Mills, speaker.

### Monday, November 7

Plant Pathology, 3:30 p.m., 110 Wartik Lab. Bonnie Higgins on "Advances with Random Amplified Polymorphic DNA."

Outstanding Woman in Geosciences, 4 p.m., 26 Hoster Bldg. Claudia Mora, speaker.

University Libraries, 6:30 p.m., 102 Classroom Bldg. InterNews. Registration not required.

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Lab. David Morrison on "Mirror Manifolds."

### Tuesday, November 8

University Libraries, 6:30 p.m., 402 Tower Room, Central Pattee Library. Molecular Biology.

Chemistry, 3:30 p.m., S5 Osmond Lab. Kenneth A. Johnson on "Molecular Motors."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. W. Larry Kenney on "Age and Cardiovascular Responses to Heat Stress."

University Libraries, 6:30 p.m., 102 Classroom Bldg. Using Gopher to Borrow through the Internet. Must attend InterNews seminar first. Registration required, call 863-0325.

Wednesday, November 9

University Libraries, 10 a.m., 141 Computer Bldg. Introduction to Computer Conferencing. Must attend InterNews seminar first. Registration required, call 863-



Earthenware exhibit

Crafted by the Chimu-Incas, circa 900-1430 A.D., this spout and handle bottle is part of an exhibition of ceramic relics from the Palmer Museum of Art's permanent collection. The exhibition runs through Sunday, Dec. 18, in the museum on the University Park Campus.

## 3025.

Gerontology Center, noon, 101 H&H East. Sherry Walls on "Everyday Problem Solving in Old Age."

Engineering Science & Mechanics, 3:35 p.m., 141 Computer Bldg. Gerald M. Santoro on "Internet - World Wide Web."

Biochemistry Institute, 3:45 p.m., 110 Wartik. Scott Cunningham on "Plant Roots and Phytochrome Regulation I."

## Thursday, November 10

University Libraries, 10 a.m., 402 Tower Room, Central Pattee Library. Penn State Libraries Catalog in LIXS.

Ceramic Science, 11 a.m., 301 Steidle. Gregory N. Moschler on "Viscoelastic Analysis of Bend Stress Relaxation and Tensile Primary Creep of a Polycrystalline s-SiC Fiber."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Leonard Susskind on "Black Holes and Information Loss."

Aerospace Engineering, 1:25 p.m., 214 Hammond Bldg. Sin-Chung Chang on "New Development in the Method of Space-Time Conservation Element and Solution Element-Applications to Multi-dimensional Flow Problems."

Economics, 3:30 p.m., 420 Kern. Kar-Yiu Wong on "International Trade in Goods and Factor Mobility with External Economies."

Physics, 3:30 p.m., 101 Osmond Lab. Leonard Susskind on "The Puzzle of Black-Hole Information Loss."

Electrical Engineering, 4 p.m., 123 EE East. Johnathan Plant on "Leadership in Public

See "Calendar" on page 8

# LETTER FROM THE PRESIDENT

## The University future

I am writing to follow up on my letter of Aug. 22, where I outlined the University-wide plan to address the projected \$12 million shortfall in the Commonwealth Educational System. Although the shortfall situation still presents a challenge that must be addressed, I am pleased to report that several encouraging developments have occurred over the past few weeks:

1. As some of you may know by now, Penn State's overall enrollment figures for this fall are up, reversing the decline that was experienced last year. Enrollment in the Commonwealth Educational system declined somewhat (1 percent, or 239 students), but less than originally projected. This very welcome news follows new initiatives in the admissions office and the dedicated hard work by many faculty and staff across Penn State's 22 campuses.

2. As a result of this fall's actual enrollment, tuition income for 1994-95 is somewhat higher than originally projected. This will reduce the CES budget shortfall from \$12 million to \$10 million.

3. As a result of the additional tuition income realized from the enrollment increase, a total of \$2 million in one-time funds will be available for 1994-95. These funds will be used as follows:

- a. Up to \$1 million for a carefully targeted marketing and recruitment effort for our campuses, with a priority for campuses with the most serious enrollment declines;
- b. \$800,000 for operating support for campuses with enrollment increases; and
- c. \$200,000 to support student programs and activities that have been adversely affected by the budget situation.

Dr. Dunham will be communicating with the campuses about how these funds can be put to the best use.

4. If current enrollment levels can be maintained, these funds will provide a permanent increase in tuition income, which will have positive implications for the 1995-96 budget and beyond.

### Planning for the 1995-96 academic year

We are now projecting that, at a minimum, current enrollment levels within CES can be maintained. Therefore, approximately \$2 million income realized this year should be available on a continuing basis. As a result, the planned \$6 million budget reduction for CES for 1995-96 is now estimated to be \$4 million.

This \$4 million budget reduction will be shared, with \$2 million com-

ing from CES and \$2 million from central sources. The CES equity model calculations will be adjusted to reflect the change to a \$2 million budget reduction target for 1995-96. In addition, the remaining \$1 million previously committed from central sources will be provided to continue the marketing and recruitment activities initiated this year.

### Looking toward 1996-97

We will need to monitor enrollment levels and tuition income projections closely. If enrollment trends continue to be favorable, additional permanent tuition income should be available. If enrollment and tuition income do not improve sufficiently, then some additional budget reduction may be necessary. Obviously, the state appropriation also will have an impact on what we must do.

It is my hope that our extraordinary efforts in the area of recruitment and retention of students for CES will be successful. I've asked Provost Brighton to ensure that as much support and assistance as possible be provided from University Park to those campuses with the most serious enrollment declines. I've also asked Dr. Dunham to establish incentives for those campuses which, in fact, increase enrollment. We must and will reward good work to the greatest extent possible within the fiscal constraints that we face. In addition, Dr. Dunham will be working directly with students and others to continue to respond as fully as we can to meet the very real need of providing meaningful out-of-class experiences to CES students, who have spoken both eloquently and persuasively on this issue.

The \$6 million budget reductions implemented this year in the CES were difficult but necessary. Even with the encouraging news of the fall, a serious budget shortfall remains in the CES. I am optimistic that enrollment in the CES may have stabilized, and as a system, we can move forward. While we still must face some budget cuts for next year, they are not as severe as originally anticipated. It would appear that, with continued success in our recruitment efforts, there is a real possibility that we can eliminate further budget reductions by 1996-97.

Finally, I want to stress again my personal concern and support for the Commonwealth Educational System. This concern is shared by Dr. Brighton, Dr. Dunham, and every other senior officer of the University. We are committed to doing all we can to work through these problems with the University community, which once again is demonstrating the strength and dedication of all who are associated with Penn State.

## Faculty Senate News

### Senate hears reports on tenure, presidential search, and library

The University Presidential Search and Screen Committee will forward the names of 10 to 15 candidates to the Trustee Presidential Selection Committee by Jan. 20, the University Faculty Senate learned at its Oct. 25 meeting at the University's Hershey Medical Center.

Senate members also heard an update on the planned expansion of Pattee Library, and extensively reviewed and discussed recommendations from its Joint Committee to Review Promotion and Tenure Procedures at Penn State.

The meeting was the Senate's first ever in the Medical Center and the first held away from the University Park Campus in more than 15 years. During the meeting, President Thomas said the Medical Center was a superb example of the University mission of teaching, research and service, and noted that the center's initiatives in training of family care physicians fits the land-grant tradition of the University.

■ The recommendations of the promotion and tenure committee were split into three categories: those that will be included in the University's promotion and tenure policy (HR-23), those that will be included in Administrative Guidelines for HR-23, and those that should be addressed by the Faculty Affairs Committee in the near future.

■ Senate Chair Burton Browning, a member of the search and screen committee, said the selection committee will make a final recommendation to the Board of Trustees with the goal of having a new president in office by fall 1995. Dr. Thomas has announced his retirement effective Aug. 31.

Dr. Browning said the search and screen committee will keep its work confidential. He noted that any inquiries about the status of the search should be directed to Carol Herrmann, senior vice president for administration and executive secretary to the selection committee. To be eligible, a candidate must have been considered by the search and screen committee, Dr. Browning said.

■ In a presentation on the design of the Paterno Library addition to Pattee Library, Nancy Cline, dean of University Libraries, reported that a new main entrance will be at ground level for handicapped access and will allow pedestrian traffic to and from the colleges of Education, Business, and Arts and Architecture, and the central core of campus. Project design drawings will be presented to the trustees at their November meeting, and final drawings are expected in late spring 1995.

## Calendar

continued from page 7

### Policy."

**Friday, November 11**  
Entomology, 11 a.m., 101 ASI Bldg. Anne Hajek on "Spore Wars: Fungi Versus Gypsy Moth."

**Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam Bldg.** John Kagel on "Adaptive Learning Versus Equilibrium: Reflections in an Entry Limit Pricing Game."

## CONFERENCES

**Thursday, November 3**  
Second Annual Conference and Workshop of the American Association for Collegiate Independent Study, The Penn State Scanticon. "Networking + Sharing = Growth + Development." Through Nov. 5. For more information, call 865-3290.

**Tuesday, November 8**  
1994 Pasteurizer Operators Workshop, 100 attendees, Nittany Lion Inn. Through Nov. 10.

1994 Penn State Golf Tour Conference, Nittany Lion Inn. Through Nov. 10.

**Thursday, November 10**  
Family Violence: The Role of the Emergency Department Staff, Penn State Scanticon.

**Saturday, November 12**  
Goat Health Conference, 110 attendees, 101 ASI Bldg.

## EXHIBITS

**Architectural Gallery/Engineering Unit**  
Bldg. C:  
\*Architectural Engineering Student Drawing

Exhibit," through Nov. 4.

**Pelmer Museum:**  
"Doubtful Plates: Installation by Mary Ellen Carroll," through Dec. 11.

■ "Planet Peru: An Aerial Journey Through a Timeless Land," through Dec. 18.

■ "Ancient Peruvian Ceramics," through Dec. 18.

■ "Gita to Celebrate the New Museum," through Jan. 22.

**Pattee**  
**Rare Books Room:**  
Illustrated books from the 18th Century. Through Nov. 30.

**Patterson Undergraduate Gallery:**  
Emanuel Panglilan, BFA paintings. Through Nov. 11.

**Zoller Gallery:**  
"Elastic Visions," through Nov. 5.  
"School of Visual Arts Faculty Exhibition," through Dec. 6.

■ Reflects an international perspective

## TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.



## Class Gift

# Class of 1995 to leave living legacy at Foundry site



April Campbell (right), chair of the senior class gift committee, unveiled the site plans for Foundry Park (shown below). Looking in is Brian Rose, committee director.

Photo: Greg Grieco

The senior class of 1995 will create a new patch of peace and quiet in the central campus area as its parting gift to all who follow.

In class gift voting, the seniors decided to build Foundry Park behind University House and Hammond Building. The one-acre area will contain benches, landscaping, park lighting, and an open area for studying and for sun worshippers to use.

The gift also will include funds for the reconditioning of the crucible (a large iron kettle for melting iron) that was used in the original

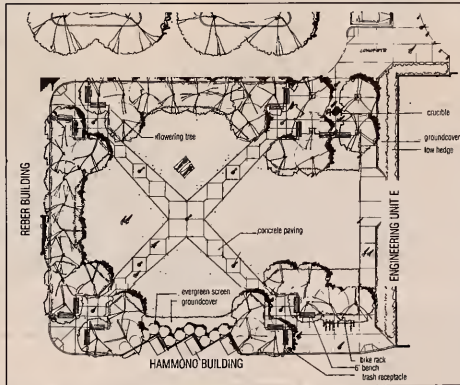
Foundry Building that once stood on the site. A plaque marking the class's gift will also be placed in the park.

"I'm thrilled that the senior class's gift will beautify this historic part of campus," said James M. Wagner, vice president for business and operations. "The Class of 1995 will be remembered for many years for this generous gift to Penn State."

The chair of the senior class gift committee, April Campbell, sees the gift as having a lasting legacy.

"This gift is a part of our commitment to preserving central campus," the Atlanta, Ga. native said. "The Foundry Park will preserve the beauty of campus, the history of this institution, and the tradition of class gifts."

Foundry Building received 54 percent of the vote. An endowment fund to help finance the replacement of the elms on campus received 31 percent of



This site plan gives an aerial view of what the park should look like when it's completed.

the vote. A proposal to establish a scholarship fund received the remaining votes.

Nearly 68 percent of the seniors voting pledged almost \$12,000 for the project, the highest pledge rate to date. The senior class gift committee hopes to receive pledges from as many as 3,500 seniors. The majority of donations are made by seniors pledging the balance of their general deposit. The deposit is a \$50 fee held during a student's undergraduate years to cover unforeseen expenses, fees and emergency costs.

Senior class gifts have been a Penn State tradition since 1861, and include such landmarks as the Old Main clock tower and the Nittany Lion Shrine. Last year's gift - the extended hours room in Patten Library - totaled more than \$15,000. The class of 1993 contributed more than \$12,000 to the Urgent Care Unit at Ritenour Health Center.

## FOUNDRY PARK

### What's in a name?

In a quirky twist of fate, the site where a drab, undistinguished building once sat will now be a peaceful, one-acre park in the heart of University Park's engineering complex.

For more than 80 years, the Foundry Building stood between what is now Reber Building and Engineering E as a nondescript testimonial to the work ethic of a nation. Built in 1911 from the remains of a dismantled temporary residence hall known as "Devil's Den," the Foundry was erected to help train Penn State students as leaders in industry.

The nation was in the throes of the Industrial Revolution, and integrating classroom theory with practical experience was deemed necessary to keep Pennsylvania and the nation competitive. It was during this time that University officials agreed to remove an old temporary foundry built in 1903 from the entrance of the mall on College Avenue and build a more permanent facility. The new Foundry was placed next to an existing wood frame structure known as the Engineering Experiment Station (behind what is now Hammond Building).

Early on in that era of smokestacks and burgeoning industrialization, the Foundry was a hands-on work station for students in metallurgy, and industrial, mechanical and electrical engineering. Not one of the most attractive edifices on campus, the Foundry was home to a crucible furnace capable of melting hundreds of pounds of molten iron. The building was divided into five sections, including a core oven room and a testing lab. Equipped with a one-and-a-half-ton cupola (stack furnace), a core oven, a two-ton crane and a complete outfit of ladles and flasks, it was here that students got a taste of the real world.

Melting iron, brass and aluminum alloys to pour into molds was a hot, grueling process. The cupola, which could melt iron at a rate of four tons per hour, took nearly two hours to fire and gained Penn State international visibility for its efficient operation.

Over the years, the Foundry Building — which at times was considered an "eyesore," according to University archives — was added to, had its unsightly wooden frame encased in brick, and was gutted by fire in 1938. Rebuilt at the same site in 1939, the Foundry continued to serve students in the engineering fields, despite the flagging popularity of the foundry industry.

According to a January 1954 *Penn State Engineering Magazine*, the industry nearly folded before World War II, but was revived after the war and spawned the "foundry option" at Penn State. The option was a series of technical electives offered as part of the curriculum for engineering students. At one time, students in the Foundry cast all of the manhole plates for State College Borough and some of the light poles. In addition, maintenance of metal material on campus was completed by students working in the Foundry. Throughout the 1970s and '80s, the Foundry continued its operation and was the site of significant research for the cast metal industry.

In 1989, nearly eight decades after it was built, the Foundry was dismantled and a gravel lot replaced it.

— Lisa M. Rosellini

Sources: University Archives and Benjamin W. Niebel, professor emeritus of industrial engineering



### Computer financing

This information is provided by the Microcomputer Order Center from Apple and IBM as a service to the Penn State community.

Computer loans from Apple and IBM are available exclusively to current students, faculty and staff, giving you the advantages of low interest rates and affordable monthly payments. The application process is quick and simple. You just call for preapproval of a loan amount, and the loan people will send you the completed promissory note for you to sign and send in with a quote from the Microcomputer Order Center.

These loans are flexible and can be used to pay for everything from computers and displays to peripherals like printers and CD-ROM drives. You can even use it to buy software. And, as a member of the academic community, you qualify for exclusive education discounts on all of your purchases. Academic discounts are available at the Microcomputer Order Center, 12 Willard Bldg., (814) 865-2100.

### Who's eligible?

As long as you're currently a college student, faculty member or staff employee, you're welcome to apply for either the IBM or Apple loan.

To qualify, you need to make at least \$15,000 per year. If your annual income isn't quite that high, you can qualify by having a co-borrower apply with you. And, if you have no income whatsoever, you must have someone co-sign for the loan.

### What you need to do

1. **GATHER INFORMATION** - For the loan application, you will need the following information: name, birth date, Social Security number, annual income, address, monthly mortgage or rent payment. If you have a mortgage, they'll also need the name of your mortgage company, your account number, and the approximate value of your residence. And, if you use a co-signer or co-borrower, they'll need all of the above information for him or her, as well.

2. **THEN CALL** - If you have a co-signer or co-borrower, that person should be available to join the conversation.

3. **DIAL 1-800-4 IBM LOAN** to speak with an IBM loan specialist or 1-800-APPLE-LN for an Apple loan specialist. This specialist will take your information, and if you qualify, pre-approve a specific spending amount for your purchase. Pre-approval does not guarantee final loan approval. Acceptable verification documents must be received before your loan is approved.

4. **THE FUN PART - GO SHOPPING** Next, it's time to pick out the computer that's right for you.

See the Microcomputer Order Center

ter and be sure to mention that you'll be financing your purchase with an IBM or Apple Loan.

At the Microcomputer Order Center, you'll be given a written price quote, which you'll need to complete the purchase and loan transactions.

4. **SIGN ON THE DOTTED LINE** - You will be sent a pre-completed application form and promissory note. The applicant must sign and return it.

If you're a student applying on your own, you'll return the promissory note with the following: photocopy of student or faculty ID card, employment verification letter, copy of your current W2 form, copy of your most recent pay stub, written sales quote. All other applicants need only return one form of income verification with their application and promissory note.

5. **THE CHECKS IN THE MAIL** - Within just a few days of receiving your signed promissory note and application, we'll send you a check.

The check will be co-payable to you and Penn State (for the Microcomputer Order Center). All you have to do is bring the check in with you when you order your system.

**THE FINE PRINT** - IBM Right Start Loans are available from \$1,200 to a maximum of \$10,000. The Apple Computer Loans are for \$1,000 to a maximum of \$10,000. You may take out more than one loan, but the total of all loans may not exceed \$10,000 annually for each company.

The interest rate for the IBM Right Start Loan and the Apple Computer Loan is adjusted monthly and is based on 30-day and 90-day commercial paper rates, as published daily in the Money Section of *The Wall Street Journal*. The IBM Right Start Loan rate and the Apple Computer Loan is the higher monthly average of these two commercial paper rates, plus a "spread" of 6.00 percent for IBM or 5.35 for Apple. The spread may increase if program costs rise, but will not exceed 7.5 percent for IBM or 5.6 percent for Apple during the life of your loan. If the spread increases, borrowers will be notified at least 30 days in advance. Call 1-800-4 IBM LOAN or 1-800-APPLE-LN for current rates.

Your loan amount will equal the amount requested, plus a 6 percent loan origination fee for the IBM loan or 5.5 percent fee for the Apple loan. If the computer you purchased is not readily available, you may defer disbursement of the loan check for up to 90 days after the loan has been approved. In any case, monthly payments for your loan will begin approximately 30 days after your check is disbursed for both the IBM Right Start Loan or the Apple Computer Loan.

**TO APPLY FOR IBM:** Call 1-800-4 IBM LOAN (1-800-442-6562). For Apple: Call 1-800-APPLE-LN (1-800-277-3336). Hours: Monday through Friday, 8 a.m. to 10 p.m. EST; Saturday, 8 a.m. to 6 p.m. EST; Sunday, 10 a.m. to 6 p.m. EST.

**FOR OTHER INFORMATION:** The Microcomputer Order Center, 12 Willard Building, University Park, PA 16802, (814) 865-2100, (800) 251-9281 in PA FAX (814) 863-7514, E-mail: moc@psuvm.psu.edu.

## Nominations for mentoring award due by Jan. 20

Nominations are being sought for the Howard B. Palmer Faculty Mentoring Award to honor and recognize outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School from 1985 until his retirement in 1991.

Nominations may be submitted by faculty, staff and administrators and must be received by Jan. 20, 1995. A committee appointed by the dean of the Graduate School, with the assistance of the senior faculty mentor in the Office for Minority Faculty Development, will select the recipient who will receive an allocation of \$500 and recognition at the Awards Convocation on April 2, 1995.

To be eligible for nomination a faculty member must meet the following criteria:

- Be a full-time University faculty member with five or more years of active service at Penn State.
- Exhibit exemplary achievement in the effective mentoring of junior faculty members.

Evidence of these criteria should be presented through a completed nomination form and statement of support, which clearly identify the outstanding qualities of the nominee. The statement should not exceed two single-spaced pages. Additional supporting materials may include a biographical sketch or curriculum vita; no more than three letters of support, and other information pertinent to the nomination.

Please submit three copies of all materials to Deborah H. Atwater, 308 Kern Graduate Building. Nomination forms are available upon request from 308 Kern Building. For more information, call Dr. Atwater at 863-1663.

## Faculty / Staff Alerts

### Label Mania

You may be "cart smart" or you may be a culinary connoisseur, but you can keep up with the label mania! Attending the enlightening lunch, Label Mania, may help you to make healthier food selections by providing skills necessary to make sense of the new food labels and the new Food Guide Pyramid.

The program, sponsored by Faculty/Staff Health Promotion, will be held at noon Thursday, Nov. 10, in 110 Henderson Building at University Park.

To register: complete and mail the registration form in the Healthy Happenings brochure or HRDC catalog or call or e-mail Jan Hawbaker (JQH3@PSUADMIN) at 865-3085.

### HIV/AIDS: Spread Facts, Not Fear

Become part of an important network of people throughout the University community who serve as points of contact for faculty, staff and students who have questions and concerns about HIV/AIDS. The "You Can Ask Me

### About AIDS" Network.

How do you become a member of the Network? Attending the "Spread Facts, Not Fear" workshop will provide knowledge and skills needed to convey important information and make effective referrals. "Spread Facts, Not Fear" is being offered from 9 a.m. to noon today in 520 Rider Building. There is no fee for the workshop.

The workshop will enable you to become more comfortable sharing factual information about HIV/AIDS with students, colleagues and co-workers and help identify local resources for needs related to HIV/AIDS. To register: complete and mail the registration form in the Healthy Happenings brochure or HRDC catalog, or send E-mail to JQH3@psuadmin including your name, campus phone and address, your ID # and the course name.

Questions about the "You Can Ask Me About AIDS" Network may be directed to Nancy Sassano at NEK1@psuadmin or (814) 865-3085.

## Lecture

### Journalism in Ethics lecture set for Nov. 10

H. Eugene Goodwin, professor emeritus of journalism, will deliver the Inaugural N.N. Oweida Lectureship in Journalism Ethics at 8 p.m. Thursday, Nov. 10, in the Carnegie Center on the University Park Campus.

Mr. Goodwin was a professor of journalism from 1969 until his retirement in 1985 and was the director of the University's School of Journalism from 1957 to 1968. Prior to that, he had been a political reporter and columnist for *The Washington Star*, night editor for Associated Press, and copy editor for *The Baltimore Sun*.

He was named an AMOCO Foundation "Outstanding Teacher" in 1980

and served on the faculty of four Gannett Foundation-sponsored workshops at the University of Kentucky on the teaching of journalism ethics in American universities. He was the winner of the Frank Luther Mott-Kappa Tau Alpha research award for the best 1983 book involving journalism research.

The N.N. Oweida Lectureship in Journalism Ethics provides an endowment to support an annual lecture by experts in journalism ethics. It was endowed by Margaret L. Oweida in memory of her husband, Dr. N.N. Oweida, a surgeon from New Kensington, Pa.



# With

your generous support, together we are making  
a difference. We can make it work with...



# You.

Thanks to Kit, the Sight-Loss Support Group of Central Pa., Inc., and the United Way, Kay is able to work and live independently, as well as help others cope with vision loss. The money you give makes a difference for your Centre County neighbors. Please give. With you, we can make it work.

UNITED WAY  
THE PENN STATE CAMPAIGN

## PENN STATERS

Dinesh Agrawal, senior research associate and associate professor of materials at the Intercollege Materials Research Laboratory, has been selected by the National Association for Science, Technology and Society (NASTS) with the support of the Okinaga Foundation and the cooperation of the Federation of Materials Societies to receive an award for research on a new zero expansion ceramic family, NZP-CTP. Dr. Agrawal also recently gave invited talks on "Microwave Processing of Ceramics" and "NZP: A New Family of Low Thermal Expansion Materials" at the Associated Cement Companies Ltd., Bombay, India; Regional Research Laboratory, Tiruvandur, India; and Slovakia Technical Institute, Bratislava, Slovakia.

Syed Saad Andaleeb, assistant professor of marketing at Penn State Erie, The Behrend College, presented a paper titled "Job Satisfaction and Commitment of Family Planning Field Workers: An Exploratory Study," to the National Institute for Population Research and Training in Dhaka, Bangladesh.

L. Eric Cross, Evan Pugh Professor of electrical engineering at the Intercollege Materials Research Laboratory, has been selected the UFCS Distinguished Lecturer for 1994/95 by the Administrative Committee of the Ultrasonics, Ferroelectrics and Frequency Control Society. He will speak before UFCS chapters, graduate and undergraduate student university seminars, IEEE groups and other appropriate scientific and engineering associations.

Balasubramanian Narasimhan, assistant professor of statistics at Penn State Erie, The Behrend College, presented a paper titled "Bayesian Nonparametric Analysis of Censored Data" at the joint meeting of the American Statistical Association and the Institute of Mathematical Statistics in Toronto, Canada.

Willa Z. Silverman, associate professor of French, presented a paper titled "L'opinion publique juive aux Etats-Unis à l'Affaire Dreyfus" at a conference on "L'opinion publique et l'Affaire Dreyfus en France et à l'étranger" in Rennes, France.

Russell Messier, professor of engineering science and mechanics at the Intercollege Materials Research Laboratory, will present an invited paper in Poland at the Conference on CBN and Diamond Crystallization Under Reduced Pressure in June 1995.

Robert E. Newnham, Alcoa professor of solid state science at the Intercollege Materials Research Laboratory, was an invited speaker at the Gordon Conference on Dielectrics in New Hampshire. His lecture was on "Scaling Phenomena in Ferroic Media." He also has been elected to ADCOM, the administrative committee of the IEEE Ultrasonics, Ferroelectrics and Frequency Control.

W. Larry Kenney, associate professor of applied physiology in the Department of Exercise and Sport Science, presented a paper titled "Effect of Age on Visceral Blood Flow During Work" at the Sixth International Conference on Environmental Ergonomics in Montebello, Quebec.

## Appointment

### Cataloger named at University Libraries

Marlena Frackowski has joined the University Libraries as music non-book cataloger.

Previously, she was visiting assistant librarian in the Music Library at Indiana University where she served first as a music cataloger and then as a specialist for a Title II-C grant project. She also worked in the Indiana University Archives of Traditional Music as a research fellow and graduate assistant.

Ms. Frackowski's special research interests include popular American music, barbershop harmony and musical theater, Polish-American ethnic music, musical instruments, and preservation of sound recordings and printed library materials.

She is a member of the Music Library Association, the Society for Ethnomusicology, the American Folklore Society, and the preservation committee of the Midwest Chapter of the Music Library Association.

Ms. Frackowski earned a master of arts degree in ethnomusicology/folklore and a master of library science degree from Indiana University. She also earned a master of arts degree in musicology from Warsaw University in Poland and a bachelor's degree from the School of Music in Szczecin, Poland.

### Out of reach

A player for West Virginia University tries to capture the ball put into play by Penn State during a recent match between the two rugby teams. Despite their efforts, WVU lost to Penn State, 29-7. This photo, taken by student J. Hoffman, was part of a class assignment for Photojournalism COMM 269.



## International Achievement awards to be given in spring

The University's International Council, during its Spring, 1994 meetings, approved the institution of three new International Achievement awards.

The awards will recognize an undergraduate student, a graduate student, and a faculty or staff member for "contributing significantly to the advancement of the international mission of the University."

The three awards, each of which carries a \$1,000 stipend and a certificate of recognition, have now been approved by President Thomas and will be presented for the first time at the University Awards Convocation in April, 1995.

The awards will be given in recognition of meeting one or more of the following criteria:

#### Faculty/Staff Award:

—Achievement in international education through research, teaching, and service.

—Leadership in improving understanding and exchange between people from different regions of the world.

—Commitment to meeting the special needs of students, faculty, and/or staff from other countries.

#### Undergraduate Student Award:

—Engaging in an academic course of study with a significant international component.

—Research with a significant international component.

—Participation in international programs and/or field projects.

—Leadership in improving relations among peoples from different regions of the world.

—Service to the international community.

#### Graduate Student Award:

—Research with a significant international component.

—Participation in international programs and/or field projects.

—Teaching with significant international content.

—Leadership in improving relations among peoples from different regions of the world.

—Service to the international community.

Members of the awards selection committee are Joseph S. DiGregorio, associate dean, Commonwealth, Continuing and Distance Education and International Programs, College of Engineering; Carolyn Sachs, College of Agricultural Sciences; Leah Gaffney, undergraduate student, and Joseph Callos, graduate student.

Complete guidelines and nomination forms for each of the awards can be requested from Dr. DiGregorio, committee chair, at 101 Hammond, JS48@OAS.PSU.EDU; phone: 865-7644; Fax: 863-4749

## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Men's basketball

The Nittany Lions' exhibition basketball game against the Czech Republic Public-Buc Club Team on Tuesday, Nov. 22, will be played at the Altoona Area High School Field House. Tipoff time is scheduled for 7:30 p.m. Tickets are priced at \$3 for adults and \$1 for students and all proceeds will benefit Shriner's Hospitals.

"We appreciate the Altoona School District hosting our game with the Czech team," Bruce Parkhill, men's coach, said. "We think it's a win-win arrangement. It should be fun."

### Postseason awards

Postseason awards voters will be considering the resumes of several Penn State football players when the balloting begins for the Doak Walker, Dick Butkus, Davey O'Brien and Fred Biletnikoff Awards.

Talback Ki-Jana Carter is among the Walker candidates, which recognizes the nation's leading running back, and line-backer Brian Gelzheiser is among the 13 at his position to reach the semi-finals of the Butkus balloting. Quarterback Kerry Collins figures prominently in conversation about the O'Brien trophy, won in 1983 by Nittany Lion quarterback Todd Blackledge. Wideout Bobby Engram is a semifinalist for the inaugural Biletnikoff Award, to be presented to the nation's top receiver by the Tallahassee Quarterback Club Foundation.

Big Ten championship play begins for most Penn State teams in the next several weeks.

### Big Ten championships

Big Ten championship play begins for most Penn State teams in the next several weeks.

Here is the lineup of upcoming conference championships: Women's Soccer - Nov. 4-6 at the University of Wisconsin; Men's Soccer - Nov. 11-13 at Ohio State University; Field Hockey - Nov. 4-6 at Ohio State University.

The men's soccer, women's volleyball and field hockey teams are all defending Big Ten champions.

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## PENNSTATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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November 10, 1994

Volume 24, Number 13

## School of Communications

### Award continues with endowment

A former New Castle (Pa.) News editor, Bart Richards, has been honored posthumously with the announcement that his son George T. Richards, a Connecticut businessman, has donated \$150,000 to endow a nationally prominent award in media criticism in the Penn State School of Communications.

The Lowell Mellett Award, previously named in honor of the late Scripps-Howard editor and syndicated columnist, will be renamed the Bart Richards Award for Media Criticism. Bart Richards was a reporter and editor of the New Castle News from 1920 to 1963.

"We are grateful for the generosity of George and Ann Richards for their enthusiastic support of this endowed program," Terri Brooks, dean of the School of Communications, said. "Bart Richards was a dedicated reporter and editor with a strong commitment to journalistic ethics and responsible community journalism."

The Bart Richards Award for Media Criticism is one of the few in the country that takes a critical look at the media and the job being done by publishers, editors, and reporters.

The Richards Award recognizes distinguished contributions to the improvement of print and broadcast journalism by means of responsible analysis or critical evaluation, and encourages new and innovative approaches to constructive journalism or media criticism.

Previous winners include media crit-

ic Ben Bagdikian, Jonathan Alter of *Newsweek*, ABC News for "Viewpoint," David Shaw of the *Los Angeles Times*, Sheila Kaplan for her media analysis in *The Progressive*, and Norman Isaacs for his book *Unfettered Gates*. This year's winner is *Nieman Reports*, published by the Nieman Foundation at Harvard University. Robert Phelps, editor of *Nieman Reports*, was recognized for the magazine's coverage of two separate issues dedicated to how the media report on health and religion.

Bart Richards had a long and distinguished career at the New Castle News, beginning as a political writer and moving up to editor. He was one of the founders and second president of the Pennsylvania Society of Newspaper Editors. In addition, he served as president of the United Press International Editors of Pennsylvania, director of the Reporters Institute of the Pennsylvania Newspaper Publishers Association, and was a recipient of the Distinguished Service Award of the Pennsylvania Newspaper Publishers Association.

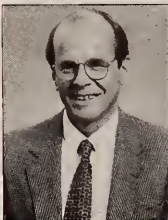
Other accomplishments included serving as a state representative for the city of New Castle, director of Lawrence County Civil Defense and chairman of the Lawrence County Parks and Recreation Board. He also wrote three books on local history and broadcast a radio series. After his retirement in 1963, he

See "Award" on page 3

## Scripps Research Institute professor to present three-lecture Marker series

K. Barry Sharpless, William M. Keck Professor of chemistry at the Scripps Research Institute, will present the 1994 Marker Lectures in Chemistry Nov. 14 to 16 at University Park. The three-lecture series, titled "Asymmetric Catalysis" is sponsored by the Liberty College of Science. The public is invited.

The lectures are: "Evolution of Selective Catalysis," 8 p.m. Monday, Nov. 14, 117 Osmond Laboratory; "Osmium-Catalyzed Asymmetric Dihydroxylation: Mechanism," 4 p.m. Tuesday, Nov. 15, S-5 Osmond Laboratory; and "Osmium-Catalyzed Asymmetric Dihydroxylation: Synthetic Applications," 12:15 p.m. Wednesday, Nov. 16, S-5 Osmond.



K. Barry Sharpless

His best-known discoveries involve oxidation catalysis, which allows the formation of a product molecule that has the property of handedness—a molecule whose mirror image is distinguishable from the original molecule by the geometric position of its atoms. Dr. Sharpless's research has led to the new concept of ligand-accelerated catalysis, in which a handed molecule (the ligand) speeds up the rate of formation of the desired left-or-right-handed product.

See "Marker lecture" on page 12

## An uplifting experience



Office of Physical Plant workers Thomas Kanar, left, and Charlie Coder get an early morning lift as they prepare to caulk windows in Oswald Tower on the University Park Campus—just in time for the colder weather. Caulking windows is part of the winter maintenance schedule.

Photo: Greg Grieco

## INTERCOM INFORMATION

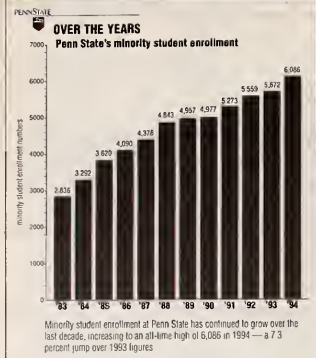
Deadline for *Intercom* is always noon on Wednesday one week before the Thursday publication date. For a schedule of publication dates for the year, please contact the Department of Public Information at 865-7317.

To submit copy for publication, E-mail the material to [klm1@psu.edu](mailto:klm1@psu.edu) or [lmr8@psu.edu](mailto:lmr8@psu.edu), or mail it to 312 Old Main, University Park.

Portions of *Intercom* are available online electronically through the Gopher system, OAS, Eml2, or CAC FSUVM accounts.

## DIVERSITY

### Fast Facts



## Puerto Rican Awareness Week set for Nov. 14-18

"Tres Razas; Una Cultura, La Puertorriqueña," or "Three Races; One Culture, Puerto Rico," is the theme for this year's celebration of Puerto Rican Awareness Week, Nov. 14-18, at University Park.

"Puerto Ricans are made up of three heritages, the native Indians, Spanish, meaning from Spain, and African," Odette Pineiro, director of the College Assistance Migrant Program, said. "These three have melded into the one distinctive culture of Puerto Rico."

Originally started as a one-day celebration by the Puerto Rican Student Association in 1986, this year's week of activities ranges from academic to a food festival. On Monday, Nov. 14, Laudelina Martinez, president of the Hispanic Association of Colleges and Universities, will speak on the "Status of Hispanic Students at Institutions of Higher Education," at 2 p.m. in the HUB Assembly Hall. Immediately following Dr. Martinez' presentation at 3 p.m. is the High School/College Fair, in the HUB/Fishbowl. "Hispanic students from a different high school will get a chance to see that college is something that they can aspire to," Ms. Pineiro said.

Tuesday, Nov. 15, the band, Edvin Colon Zayas y su Taller Campesino, will perform tra-

ditional folkloric music at noon in the Paul Robeson Cultural Center. The band also will perform at 6 p.m. Wednesday, Nov. 16, in the HUB Assembly Hall.

Edgar Jelesus, director of the North Jersey and lower Hudson Valley District Amalgamated Clothing and Textile Workers Union, will speak on "The New Face of the Labor Movement," at 6 p.m. Thursday, Nov. 16, in 71 Willard Building. Mexican musician Dante will perform at 11:30 a.m. Friday, Nov. 18, in the Paul Robeson Cultural Center.

The week's activities are sponsored by the Puerto Rican Student Association and co-sponsored by the Student Organization Budget Committee, Equal Opportunity Planning Committee, Paul Robeson Cultural Center, Division of Minority Admission and Community Affairs, Multicultural Resource Center, Office of Multicultural Equity Programs, College Assistance Migrant Program, Office of Minority Programs, College of Health and Human Development, Department of Labor Studies and Industrial Relations, College of the Liberal Arts and Giant Food.

Contact Ms. Pineiro at 863-9440 for more information.

## News in Brief

### Cold Care Center

The cold season has hit Penn State! To help students, faculty and staff cope with the cold and flu season, HealthWorks, a peer education and outreach program, is operating a Cold Care Center until Spring Break. At the Cold Care Center, people will be able to take their temperature, look at their throats, receive cold care information, get free cold product samples and assess whether their cold symptoms require medical attention.

Operated by wellness peer educators from HealthWorks, the cold care center is in Room 19-20 Ritenour Building at University Park from 9 a.m.-4 p.m., Monday through Friday. For more information on the Cold Care Center or on upper respiratory infections, call HealthWorks at 863-2500 or stop by.

### Subjects sought

The Pennsylvania Transportation Institute is developing a new design for driver seating and control layout. Subjects are needed for evaluating the design prototype. Compensation will be \$5 for approximately one hour of effort. Please call Heechen at 863-1087 or E-mail at HCYO@ECL.PSU.EDU.

### Italian Harvest Festival

The Faculty Staff Club will sponsor an Italian Harvest Festival at 5:30 p.m. Thursday, Nov. 17, in the Fireside Room of the Nittany Lion Inn at University Park. The evening will highlight antipasto, pasta dishes, and beverages of three regions of Italy: the north, Tuscany, and Sicily. Italian

rum cake and coffee will complete the menu. This event is open to club members and their guests.

The cost is \$8 for those paying with their Faculty Staff ID card—it is \$10 for those paying with cash. Club members should make sure they have sufficient balances in their accounts. Members wishing to add to their balance should send a check made out to Penn State along with their Penn State ID number to Faculty Staff Club, 110 HUB.

For information about joining the club, contact any of the club officers listed under "Faculty Staff Club" in the new Penn State Faculty/Staff Directory.

### Great American Smoke-out

Thursday, Nov. 17, marks the day for the annual Great American Smokeout sponsored by the American Cancer Society. In celebration, Faculty/Staff Health Promotion will offer snacks, quit kits, and other information at two locations at University Park; outside the Old Main gates and in the Rider Building lobby from 7:30 a.m. to 3:30 p.m.

Radio station 95.3/WVZ will broadcast from outside Old Main gates from 7:30 to 9:30 a.m. Activities include raffles for a "cold turkey" and other donated gifts, distribution of snacks and survival kits for those who "leave the pack behind."

The Great American Smokeout is not limited to current smokers. It also recognizes those who have quit. Stop by one of the locations and pick up a sticker to wear throughout the day to

say to co-workers and friends "I quit for a day." "Adopt a smoker, help a friend quit," or "I quit smoking."

### Open house

University Health Services, Counseling and Psychological Services and the Student Health Advisory Board to University Health Services invite faculty, staff, students and community members to visit their newly renovated facilities in the Ritenour Building on Thursday, Nov. 10, from 4-6 p.m. Visitor parking will be available in the metered parking garage on Shortlidge Road adjacent to the Penn State Bookstore. Tours of the facility and refreshments will be provided.

### Australia lecture

Harry Redner, reader in the Department of Politics at Monash University, Melbourne, Australia, will discuss "The Social Sciences in Australia and the Problem of Intellectualism" at 4 p.m. in Room 114 Kern Building at University Park.

The lecture is being presented by the Australia-New Zealand Studies Center in cooperation with the Department of Philosophy, Department of Political Science, Science, Technology and Society program, and the Institute for the Arts and Humanistic Studies.

### Institute moves

The Materials Research Institute, formerly located in 117 University Support Building 11 at University Park, has moved to 187 Materials Research Institute Building in the Penn State

Research Park. The telephone number is 863-8407.

### New York City trip

The Arts and Architecture Student Council is sponsoring a bus trip to New York City on Dec. 3 at a cost of \$22 per person. Sign up in the Arts and Architecture Department or at the HUB Desk from 9 a.m. to 5 p.m. Nov. 14, 15 and 16.

For further information, contact Dana Ziegler at 862-6608.

### Sigma XI lecture

John Dutton, dean of the College of Earth and Mineral Sciences, will discuss "The Challenges of Global Climate Change" at the November Intercollegial Luncheon Lecture, sponsored by the Penn State Chapter of Sigma XI, The Scientific Research Society.

The lecture, to be presented at noon Thursday, Nov. 17, is free to the public. Please feel free to bring a bag lunch.

### Fossil plants

Alfred Traverse, professor of palynology, will discuss "The Fossil Plants of Pennsylvania" at 7 p.m. Wednesday, Nov. 16, in Room 301 Steidle Building on the University Park campus.

The lecture, which is free to the public, is sponsored by the Mineralogical Society, an amateur association of central Pennsylvanians dedicated to the study of gems and minerals, and the Earth and Mineral Sciences Museum.



## Faculty/Staff Alerts

### U.S. postal rates increase

A postage rate increase is scheduled to go into effect January 1995. An increase of 10.3 percent has been requested by the Postal Service pending approval by the Postal Rate Commission. This will equal a \$0.3 increase for one ounce of first class postage. Currently, one ounce of postage costs \$.29. Other classes may see a higher or lower percentage increase. The effective date and the new rates for all classes of mail are scheduled to be released on Nov. 30.

For further information regarding this increase or other postal matters, contact Frank Sinclair, manager, Mail & Addressing Services, at 865-4051.

### When Eating Goes Awry

Eating disorders are a serious issue affecting men and women from all different age groups and social and cultural backgrounds. Attend a brown bag discussion at noon Nov. 17 in 110 Henderson Building at University Park to learn more about the signs and symptoms of individuals with eating disorders.

### No Butts About It

For those who would like to learn more about the Great American Smokeout and the health issues surrounding tobacco, Faculty/Staff Health Promotion is offering a special brown bag lunch called "No Butts About It" at noon Nov. 15 in 318 HUB at University Park. The quitting process also will be discussed.

To register for When Eating Goes

Awry or the No Butts About It program, call Jan Hawbaker at 865-5085 or e-mail your name, employee ID number, campus phone and address to JQH3psuad-min

### HRDC courses

The Human Resource Development Center is offering the following courses. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5, HRDC course catalog.

#### ■ Intro to Compel 1.0 IBM 017

Will provide an introduction to the world of multimedia presentations in the Windows platform. Meets Monday, Nov. 28, 1 to 3 p.m., 116 Wagner; cost \$70.

■ **Facilitator Training I CQI 005** Designed for those interested in facilitating CQI teams, this course covers the skills necessary for group facilitation, managing the group process, encouraging participation, and making decisions in teams. Meets Wednesday, Nov. 30, 9 a.m. to 4 p.m., 319 Rider; cost none.

#### ■ Wordperfect 5.1 for Dos Macros IBM 015

Participants will learn how to create several different types of macros; make macros useful to their daily work, and personalize their WordPerfect keyboard to make it more useful by redefining keys. Meets Wednesday, Nov. 30, 8 a.m. to noon, 116 Wagner; cost \$70.

#### ■ Leading and Managing: Similarities & Differences LDR 013

Examines the changing role of managers and supervisors in today's organizations. Meets Thursday, Dec. 1, 1:15 to 4:30 p.m., 319 Rider; cost \$35.

■ **An Overview of CQI CQI 001** Offers an introduction to the philosophy of Continuous Quality Improvement (CQI). Meets Friday, Dec. 2, 8:30 to 11:30 a.m., 319 Rider; cost none.

■ **How to Structure and Provide On-The-Job-Training PRO 027** Provides participants with a systematic process for developing and delivering on-the-job training (OJT). Meets Friday, Dec. 2 and 9, 1:15 to 4:45 p.m., 319 Rider; cost \$55.

#### ■ Interpersonal Skills for Managers LDR 003

Participants will learn to deal with subordinates on a day-to-day basis in a way that maintains and enhances self-esteem, use effective listening techniques to increase subordinates' motivation to perform at high levels of productivity, and consistently encourage subordinates to participate in goal setting, problem solving, and decision making. Meets Mondays and Thursdays, Dec. 5-22, 1:15 to 4:45 p.m., 319 Rider; cost \$195.

#### ■ Career Planning CAR 001

Will help participants to develop an organized picture of self, gain information on the structure of the world of work, identify and explore career opportunities, and implement a career action plan. Meets Tuesdays, Dec. 6 and 13, 8:30 to 11:45 a.m., 39 McAllister Building; cost \$20.

■ **Defensive Driving WEL 002** Participants will learn to follow safe driving skills, cope with other drivers' actions effectively, and apply cost-saving techniques. Meets Tuesday, Dec. 6, 8:30 a.m. to noon, 319 Rider; cost none.

#### ■ Resume Preparation CAR 002

Provides participants with information and techniques on how to prepare resumes and cover letters. Meets Tuesday, Dec. 6, 1:15 to 4:30 p.m., 319 Rider; cost none.

■ **Facilitator Training II CQI 006** Provides facilitators with a set of warm-up and team-building exercises to create an atmosphere for effective teamwork. Meets Tuesday, Dec. 6, 9 a.m. to 4 p.m., Shaver's Creek Environmental Center; cost \$10 (includes lunch).

#### ■ Assertiveness Skills Workshop COM 001

Focuses on the development of positive assertive behavior. Techniques to increase assertive behavior will be examined and practiced in a non-threatening group environment. Meets Wednesday, Dec. 7, 9 a.m. to 4 p.m., 319 Rider; cost \$55.

#### ■ Facilitator Training III CQI 007

Extends the study of process improvement tools and techniques introduced in Facilitator Training I and II. Meets Wednesday, Dec. 14, 9 a.m. to noon, 319 Rider; cost none.

## Award

continued from page 1

wrote a series of travel features for the New Castle News.

A 1954 graduate of The Smeal College of Business, George T. Richards is president and chief executive officer of Vites Packaging, Inc., a manufacturer of flexible packaging materials with plants in Virginia and California.

Income generated from the endowment, approximately \$7,500, will be combined with a \$2,500 annual gift from the Richards family to support the award.

At right, the awards ceremony honoring the publishers of the *Nieman Reports*, this year's recipient of the newly-named Bart Richards Award for Media Criticism. The ceremony was held at the National Press Club in Washington, D.C.



## Stanford professor of statistics to give keynote speech Nov. 12 at University Park

Bradley Efron, a member of the National Academy of Sciences, professor of statistics and biostatistics and Max H. Stein Professor of Humanities and Sciences at Stanford University, will present a keynote lecture, "Introduction to Bootstrap," during the Department of Statistics "Bootstrap Day" at 9:50 a.m. Saturday, Nov. 12, in 104 Classroom Building at University Park. The public is invited.

The statistical method known as the Bootstrap is "one of the most important new ideas in statistics in the last three or four decades," according to James L. Rosenberger, professor and head of the Department of Statistics. "It extracts so much information from the sample data that it can replace other statistical techniques based on model assumptions and asymptotics."

Dr. Efron is considered to be one of the most innovative and original contemporary statisticians. His

ideas, including statistical curvature and the bootstrap method, have had a wide impact on the theory and practice of statistics during the past 15 years and have given rise to entire schools of statistical science research.

He received a doctoral degree at Stanford University in 1964 and became professor of statistics there in 1972. He served as president of the Institute of Mathematical Statistics from 1987 to 1988 and has



Bradley Efron

more than 85 articles on statistical science.

In addition to being elected a member of the National Academy of Sciences, Dr. Efron has received numerous awards for scholarship, including fellowships in the American Academy of Arts and Sciences, the American Statistical Association, the Institute of Mathematical Statistics, the Royal Statistical Society, and the International Statistical Institute. He is a MacArthur Prize Fellow, holder of the Wilks Medal of the American Statistical Association, and a recipient of the Fox-Purcell Prize of the Mathematical Association of America.

For additional information about the keynote lecture or to register for the "Bootstrap Day" workshop, call the Department of Statistics at 814-865-1348.

authored or coauthored

## LEADERSHIP PROFILE



Dr. C. McCollister Evarts, senior vice president for health affairs and dean of the College of Medicine.

NO TRACE OF NOSTALGIA TINGES HIS VOICE WHEN Dr. C. McCollister EVARTS RECALLS THE "GENTLE EXISTENCE" ACADEMIC HEALTH CENTERS FOR MANY YEARS ENJOYED.

Dr. Evarts, senior vice president for health affairs and dean of the College of Medicine, is too busy positioning The Hershey Medical Center for a new environment, one that is forcing academic health centers to meet head-on the concepts of productivity and competition.

"We can no longer count on the major cross-subsidization we formerly received from government research grants and clinical income to support our mission of research, education and patient care," Dean Evarts points out.

"In the past few years, we've seen a significant decrease in clinical income because of the growth of managed care, under which reimbursement for services is less. At the same time, national support for research has decreased, and state funding has not kept pace with inflation.

"These factors," Dean Evarts continues, "make it absolutely necessary for us to reevaluate the way we do business. We no longer have the luxury of being all things to all people.

"I think there's no question that managed care will be the way health care is delivered in this country for the foreseeable future. Our challenge

is to remain competitive by continuing to deliver integrated, coordinated patient services of the highest quality at a lower cost."

One of the key initiatives undertaken by the Medical Center to strengthen its services to patients is an emphasis throughout its operations on primary care. In Pennsylvania alone, Dean Evarts notes, the federal government has identified 50 areas that are critically short of primary-care providers.

The College of Medicine is addressing this shortage with a new Modified Academics Program, which seeks to identify and admit qualified students likely to enter primary-care careers. This year half of the college's entering class met that requirement.

The college also has introduced changes in its curriculum to expose medical students to primary-care principles and practices throughout their four years of study.

Dean Evarts explains:

"After a great deal of study and analysis of the traditional methods of medical education, with their reliance on memorization by students of great quantities of material, our faculty is experimenting with a new 'problem-based' learning."

"PBL" confronts small groups of first- and second-year student volunteers with representative patient case histories in the form of paper- or computer-based simulations. The goal is to ease the difficulty students

## C. MCCOLLISTER EVARTS

### STARING THE COMPETITION IN THE FACE

"IT'S BEEN A REMARKABLE PAST FIVE YEARS AND THE BUSIEST I'VE EVER BEEN IN MY LIFE."

often have in making the transition from the classroom to the hospital room in their third year.

Still another response by the Medical Center to the need for primary care services has been the establishment of outreach centers. The first such unit, the Penn State Community Health Center, opened its doors in Hershey in 1992, and its physicians already are caring for more than 16,000 patients yearly.

Funding for programs designed to strengthen primary care training is being provided by a grant from the Robert Wood Johnson Foundation, administered by the Medical Center's recently created Center for Primary Care. The Medical Center also has been awarded a new federal grant for the development of health education centers to improve care in five Pennsylvania rural areas.

Another kind of outreach is being demonstrated in State College with the opening of the Penn State University Physicians practice in the new Centre Medical Sciences Building. Hershey specialists in such areas as family and community medicine, ophthalmology, surgical oncology, general orthopaedics and cardiothoracic surgery will be available to collaborate with local physicians.

Under Dean Evarts' stewardship, the Medical Center has seen a major increase in its facilities, with new hospital wings and operating rooms, an expanded emergency services area, an outpatient clinic building and a sports medicine center.

One of the projects of which Dr. Evarts is most proud is the Biomedical Research Building.

"This new space will not only help us to recruit excellent new researchers," he points out, "but also encourage more of the interdisciplinary research that blurs department

lines and takes advantage of our clinical and basic science strengths."

But despite such promising initiatives in primary care, medical education and research, Medical Center administrators recognize that the bottom line is cost control.

"We can't attract patients to our hospital if our costs are not competitive," Dean Evarts points out.

That's hardly an easy task in a teaching hospital where more complicated diagnoses and more complicated patients are the rule. In November of 1993, however, the Medical Center announced an overall expense reduction campaign that would result in savings of \$22 million.

Employee response surpassed all expectations. More than 500 cost reduction ideas were generated, and to date savings of \$38 million have been achieved.

"It's been a remarkable past five years and the busiest I've ever been in my life," says the man who is overseeing all these changes.

Dr. Evarts came to Hershey in 1987 from the University of Rochester, where he was professor and chair of the Department of Orthopaedics. Before that, he had served as chair of the Department of Orthopaedic Surgery at The Cleveland Clinic Foundation.

Adult reconstructive surgery is his special area of expertise, and he is the author of 180 scientific articles, has served on several editorial boards and is the editor of the five-volume text, *Surgery of the Musculoskeletal System*.

A 1953 cum laude graduate of Colgate University, he received his medical degree from the University of Rochester.

He and his wife, Nancy, have

See "Evarts" on page 10

PENNSTATE





## Awards

# Three in the College of the Liberal Arts honored

Three Liberal Arts faculty members have been selected to receive the Class of 1933—Distinction in the Humanities Award for 1994.

They are: Charles W. Mann, chief, Special Collections and professor of English and comparative literature; Wilson J. Moses, professor of African American history; and Linda L. Schiebinger, professor of history and women's studies.

Professor Mann's role in developing and shaping the collections of the Rare Books Room in Pattee Library is widely considered to be one of the most fundamental and enduring contributions to scholarship in the humanities in Penn State's history. His career as the Special Collections librarian has been called a "remarkable achievement."

He also is an expert in utopian literature and the major international expositions of the nineteenth

century. Among his many honors and activities at the University, Professor Mann is a Fellow of the Institute for the Arts and Humanistic Studies and is involved in the Center for the History of the Book.

Dr. Moses, who joined the faculty in 1992, is the author of four books, an edited volume, and many essays and articles in the field of the African American experience. His work is especially notable for placing the achievements of African American intellectual life within the broader context of western thought. His work is considered to engage issues of "great complexity and sensitivity," based on a broad range of historical and literary sources.

Dr. Schiebinger was cited for her research, teaching, and efforts to engage the public through radio and television programs on the place of women and minorities in western science and its historical caus-

es. Her book, *The Mind Has No Sex? Women and the Origins of Modern Science*, examined the process by which women were systematically excluded from fields of science in which they had demonstrated the capacity for significant contributions. The book has reached an international readership through Japanese, German, and Portuguese editions.

Her more recent book, *Nature's Body: Gender in the Making of Modern Science*, investigated how 18th-century notions about gender and race influenced the explorations of natural history. Dr. Schiebinger has appeared often on public radio, including a 13-part series on the experience of women and minority scientists, and she served as the research director for a television documentary, "Too Long a Silence," concerned with life and politics in rural Northern Ireland.

## CEO of hotel chain named 1994 Hospitality Executive of the Year by University group

The Penn State Hotel and Restaurant Society will honor Raymond E. Schultz as its 1994 Hospitality Executive of the Year.

Mr. Schultz will receive the award Nov. 13 at the Penn State Hotel and Restaurant Society banquet, held in conjunction with the New York Hotel Show.

Mr. Schultz is president and chief executive officer of Memphis-based Promus Hotels, which owns Hampton Inns, Homewood Suites, Hampton Inn & Suite Hotels, and Embassy Suites. He is well known in the hospitality industry as founding president of Hampton Inns, which he launched in 1983 and has grown to 400 hotels nationwide.

A native of Freeland, Pa., he is a 1955 Penn State graduate in labor and management relations. He was named the 1991 Economy Lodging Council Person of the Year by the American Hotel and Motel Association and 1993 Alumni Fellow in the College of Health and Human Development.

He and his wife, Erin, a former elementary school teacher from Greenwood, Miss., recently established a mentoring scholarship at Penn State. The scholarship provides full tuition as well as faculty mentoring for as many as four Freeland students enrolled in the School of Hotel, Restaurant, and Recreation Management.

## Inn operations manager given alumni award

Michael Conti, manager of operations at the Nittany Lion Inn, has received the 1994 Service to Penn State Award of the College of the Liberal Arts Alumni Society. Mr. Conti, a '79 speech communication graduate of the College of the Liberal Arts, was recognized for his years of service to the college and the University.

Mr. Conti was elected to the Liberal Arts Alumni Society Board of Directors by college alumni in 1982, and served until 1991. From 1988-1990 he was president of the board, and

in that position served on the Penn State Alumni Council.

In his present position, he is responsible for staff training and development programs for all departments at the Inn, and oversees its food and beverage operations. Before coming to the Inn as food and beverage manager in 1992, he was vice president of Conti Cross Keys Inn Corporation in Doylestown from 1979 to 1992, and during that time was responsible for restaurant operations, personnel, banquet and sales management, and was food and beverage director. He also established Conti Famous Cheese Spread, Inc., in 1986.

Between 1985 and 1990, Mr. Conti attended conferences on wine making, and worked at vineyards in California. He is a member of the National Restaurant Association.



Michael Conti

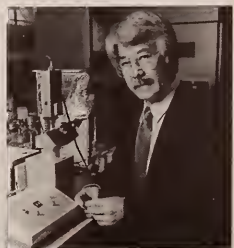
## Geochemistry professor noted for outstanding research in geology

Hiroshi Ohmoto, professor of geochemistry, has been awarded the Silver Medal of the Society of Economic Geologists in honor of his outstanding research into the origins and geology of ore deposits.

Traditionally, the medal is awarded to those who develop new ideas about how ore deposits were formed, or who developed improved methods for finding deposits. Dr. Ohmoto was the first geochemist to realize that not all ore deposits were formed from magma fluids, but that many were formed by rainwater or seawater which became enriched in useful metals during deep circulation through the earth's crust.

Recently he has shown that it is possible to obtain information about the environmental conditions existing at the time of mineral deposit formation, by making detailed analyses of stable isotope ratios of hydrogen, oxygen, carbon and sulfur minerals from samples of an ore deposit. Information can be gained about the temperatures, pressure, depths at the time of mineral deposit formation, where the ore-forming fluids may have originated, and how they accumulated.

In 1970, Dr. Ohmoto received the Lindgren Award, the "young investigator award" of the Society of Economic Geologists for his work on ore deposits. A decade later, in 1981, he was awarded the first Faculty Scholar Medal for physical science by the University.



Hiroshi Ohmoto

## Student Affairs staff recognized for performance

Recipients of Student Affairs' Above and Beyond Award have been announced by William Asbury, vice president for Student Affairs.

The award recognizes Student Affairs' staff who exhibit superior performance in completing special projects and/or going above and beyond in the performance of their job responsibilities.

Judy Albin, assistant director of Residence Life, received the award for her efforts in bringing the Names Quilt to the University and State College. Ms. Albin helped to found the organization Centre Cares and co-chaired the coordinating committee that organized and implemented the event.

Dane Foust, acting associate director of Residence

Life, received the second award for his role in conceptualizing and implementing a division-wide newsletter titled *Uniting Student Affairs*. The award winners received a certificate and monetary award to be used for their professional development.

Nominees for the award included: Betsy Boyer, staff assistant, Office of Unions and Student Life; Sandra Edwards, assistant director, Campus Student Affairs; Gail Hurley, director, Residence Life; Joyce Illfelder-Kaye, associate director, Center for Counseling and Psychological Services; Carol Mindrup, staff assistant, Office of Student Life; Joseph Reilly, facility supervisor, University Health Services, and Ann Shalcross, university physician, University Health Services.

# The

# ARTS

AT PENN STATE

## "Pippin"

The Penn State Thespians will perform the hit musical **Pippin** Nov. 10, 11 and 12 in Schwab Auditorium on the University Park Campus.

This upbeat rock musical journeys through the life and times of King Charlemagne's son, Pippin.

Director Emily Lloyd has tried to mold an individual style to the presentational story. Keith Spencer, who performed the role of John the Baptist in last year's Thespian production, "The Mystery of Edwin Drood," returns as vocal director and leading player.

Other members of the cast include: Jim Bodine as Pippin; Clay Robeson as King Charlemagne; Kristin Daecher as Pippin's mother, Fastrada; and Melissa Hart, as Berthe, Pippin's grandmother.

Choreography is designed by Lauren Marie Hamm, set designed by Adrian Karver, and costumes designed by Laura Lee Hancher.

Evening performances are at 8 p.m. A 2 p.m. matinee will be held Saturday, Nov. 12. Tickets are available at the Schwab and Eisenhower box offices. For ticket information, call 865-9461 or 863-0255.

## Rhythm in Shoes

Rhythm in Shoes, a music and dance troupe, will perform at 8 p.m. Saturday, Nov. 12, in Eisenhower Auditorium on the University Park Campus.

Rhythm in Shoes uses tap and clog dances as a traditional base but they continue to explore new techniques.

Rhythm in Shoes' originality is the brain child of wife-and-husband team Sharon Lealey and Rick Good. Mr. Good composes original music — everything from mountain music to jazz for the fiddle, mouth harp, guitar, banjo and human voices — to accompany his wife's choreography and direction.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

As part of Rhythm in Shoes residency, a Community Dance Jam will be held from 7 to 11 p.m. Friday, Nov. 11, at the Elks Country Club in Boalsburg. The dance is free to the public.

Members of the group will be offering free instruction at the event. Additionally, basic lessons in different dance styles will be offered by the Nittany Kickers, Central Pennsylvania

Ballroom Dancers Association and Penn State International Dancers. Refreshments will be served.

## Faculty exhibition

The annual School of Visual Arts Faculty Exhibition will open Saturday, Nov.



Pippin

Pippin, played by James Bodine (left), and King Charlemagne, played by Clay Robeson, contemplate the need for war in the upcoming Penn State Thespian fall production of "Pippin," in Schwab Auditorium Nov. 10, 11 & 12.

12, and continue through Tuesday, Dec. 16, in the School of Visual Arts Zoller Gallery on the University Park Campus.

The exhibition will display recent work by the School of Visual Arts faculty members from the University Park and Commonwealth Campuses. It will feature ceramics, sculpture, graphic design, painting, drawing, metals, photography, printmaking and papermaking.

An opening reception will be held from 7 to 9 p.m. Saturday, Nov. 12, in the Brezewood of the Visual Arts Building. The reception will feature music by the Jazz Connection.

Zoller Gallery hours are Monday through Friday, 9 a.m. — 5 p.m.; Saturday, 11 a.m. — 4:30 p.m.; and Sunday, noon — 4 p.m. The exhibition is free and open to the public.

Zoller Gallery is located in Room 101 of the Visual Arts Building.

## Women's Chorus

The Penn State Women's Chorus will present its fall concert at 3 p.m. Sunday, Nov. 13, in the School of Music Recital Hall on the University Park Campus.

The ensemble is made up of more than 60 women from all academic areas of the University. They are under the direction of Alex Hill, instructor of music, and assistant conductor Don Hall, graduate assistant in music.

The choir, which last year marked its 50th anniversary, begins this concert season by performing arrangements of traditional music from around the world.

Tickets will be available from choir members and at the door of the concert. Prices are \$4 for general audiences; \$2 for students.

## Pennsylvania Brassworks

The Pennsylvania Brassworks, the School of Music faculty brass quintet, will perform in concert at 8 p.m. Sunday, Nov. 13, in the School of Music Recital Hall on the University Park Campus.

The program will feature a wide variety of styles including the music of Gabrielli, J. S. Bach, Fux, Jan Bach, Gershwin and Raymond Dempsey.

The Pennsylvania Brassworks consists of locally members John Daniel, trumpet; Martin Erickson, tuba; Mark Lusk, trombone; and graduate assistants Chris Greene and Kenneth Oedemann. The concert is free to the public.

## "Father Joe"

"Father Joe," a one-act play, made possible by a grant from The Pilgrim Project, a program of the Religion and Public Life Foundation, New York, will be presented at 8 p.m. Monday, Nov. 14, and 12:15 p.m. Tuesday, Nov. 15, in Helen Eakin Eisenhower Chapel on the University Park Campus.

The play, written by Cliff Young, features Michael Bernosky, and is directed by J.D. Shuchter. It is free to the public.

## Centre Dimensions

Centre Dimensions, under the direction of Dan Yoder, associate professor of music, will present its second concert of the year at 8 p.m. Tuesday, Nov. 15, in the School of Music Recital Hall on the University Park Campus.

The group will perform big band music from the '40s through the '90s. Graduate students Bruce Tychniski and Marty Bound will be the featured soloists.

The concert is free to the public.

## Chamber Singers

The Penn State Chamber Singers, under the direction of Douglas Miller, professor of music, will perform in concert at 12:10 p.m. Thursday, Nov. 17, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Chamber Choir consists of 22 singers. The Bach's Lunch repertoire will include Italian madrigals, French chansons, and German Lieder by Orlando di Lasso. The concert is free to the public.

## URTC production

The University Resident Theatre Company presents its third show of the season, a production of "Game of Love and Chance" under the direction of Helen Manfull, professor of theatre arts, at 8 p.m. Friday, Nov. 18, and continuing through Saturday, Dec. 2, in the University Theatre on the University Park Campus.

The play, written by Pierre de Marivaux, is a romantic comedy about mistaken identities.

The production will begin with student preview performances at 8 p.m. Wednesday, Nov. 16, 17 and Thursday, Nov. 17. A matinee will be presented at 2 p.m. Saturday, Dec. 3. All evening performances will begin at 8 p.m.

For ticket information contact the Arts Ticket Center, open Monday through Saturday, 8:30 a.m. - 4:30 p.m. at (814) 863-0255.

## Bandorama '94

The marching Blue Band, with auxiliary groups and feature twirler, will appear on stage for Bandorama '94 at 8 p.m. Saturday, Nov. 19, in Eisenhower Auditorium on the University Park Campus. The performance is an annual event that will include Penn State school songs, music from the halftime shows, and stadium favorites.

The Symphonic Band will play a short pops concert of light selections, including Gould's "American Salute" and a medley from the Broadway classic "The Sound of Music."

The marching Blue Band will perform music from all of the halftime shows, including a Big 10 salute with a medley of Big 10 school songs as the Big Ten school colors are presented.

The band is conducted by Director Ned C. Deihl and Associate Director O. Richard Bundy and staff.

For ticket information, contact Eisenhower Auditorium Box Office, Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

## Odyssey on WPSU

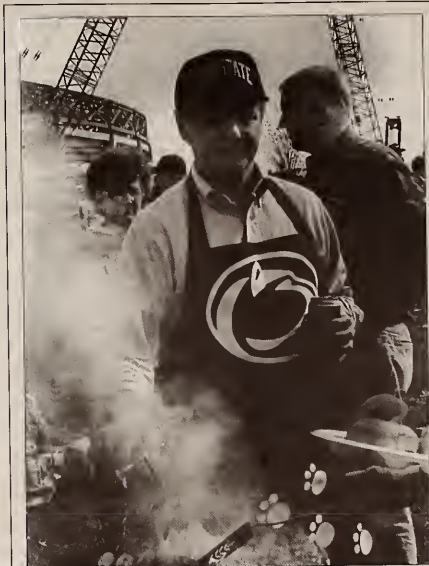
Seong-Kon Kim, of Seoul University, discusses the wide differences between national literatures and the importance of creating a sense of equilibrium between them, on the next episode of Odyssey Through Literature, "The Universal Serpent."

In discussion with host Leonard Rubinstein, he illustrates the benefits of appreciating the universality of national literatures. "It gives you a broader perspective. It can broaden the horizon of your understanding and perception. I am constantly warning my students about their ultra-nationalism, which is very dangerous."

Odyssey Through Literature is produced at WPSU-TV as a continuing education service of the Depart-



# UNIVERSITY PARK CALENDAR



## Cookin' with the Lion?

Charles Polinski, class of 1970, mans the pre game grill at a recent tailgate party outside of Beaver Stadium. In the background, one of the University's newest additions can be seen — the Bryce Jordan Center, which is expected to be completed next winter. Tailgating is a natural part of Penn State home games at University Park. The next home game is Nov. 19 against Northwestern.

This photo was taken by student Rebecca Logan as part of a class assignment for Photojournalism CMM269.

## SPECIAL EVENTS

### Thursday, November 10

- International Programs, 9:30 a.m., 222 Bouckle Bldg. Brian Towers on "British Higher Education: Some Recent Developments."
- Rhythm in Shoes recitation, 11 a.m., 108 White Bldg. A master class in dance.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Singing Lions.

Biology, 4 p.m., 8 Mueller Lab. Jonathan Arias on "The Regulation of Eukaryotic Gene Expression by Signal-Response Transcription Factors."

Women in Architecture, 7 p.m., 108 Walker Bldg. Karen Baumann and Eero Saarinen, speakers.

- Libr., The Radio Book Review, 7 p.m., WPSU, 91.5 FM. A review of historian John Bowler's "Same Sex Unions in Premodern Europe" with guest James Sweeney.
- ContEXT's, 7:30 p.m., WPSU, 91.5 FM. Librarian Steven Herb serves as guest host for a ContEXT's review of new children's books.

"Women in Arts" lecture, 7:30 p.m., Afterton Hall's Grandfather Clock Lounge. Sharon Leahy, artistic director of Rhythm in Shoes, speaker.

N.N. Owida Lechurs in Journalism Ethics, 8 p.m., Carnegie Cinema. H. Eugene Goodwin, speaker.

Penn State Thespians, 8 p.m., Schwab Auditorium. "Pippin" Through Nov. 12. Matinee, 2 p.m., Nov. 12. Tickets available at Schwab and Eisenhower Box Office, call 863-0255.

### Friday, November 11

Rhythm in Shoes recitation, 12:15 p.m., 133 White Bldg. A master class in dance. Also at 2:30 p.m.

- Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Mary Linda on "Views of Ancient Peru."

■ Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Christopher F. Uhl on "Solving Complex Resource Questions in the East-west Communications, 8 p.m., Schow

Library's meeting room. Tony Lentz will perform two stories which won the Katlye Lehman Award for fiction this year from the English Dept. Also Nov. 12.

### Saturday, November 12

Office of Minority Faculty Development Workshop, 9 a.m., 114 Kern. Graduate Bldg. Blainie Bowen on "Promotion and Tenure."

For reservations, call 863-1663 by Nov. 8.

- Arab Social and Cultural Club, 7 p.m., 102 Kern. Arab traditional music concert. Admission is free.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. "Rhythm in Shoes." Tickets required, call 863-0255. A pre-performance discussion by Frank Hall, company member, 7 p.m., left grand tier, Eisenhower Auditorium.

School of Music, 8 p.m., Recital Hall. Penn State Concert Choir and Chamber Singers.

### Sunday, November 13

Film: Plunder, 1 p.m., Palmer Lipson Auditorium.

■ Teambuilding for Two, 1 p.m., Shaver's Creek. Call 863-2000.

Film: Discovering the Moche, The Forgotten Art of Chiclayo, 2 p.m., Palmer Lipson Auditorium.

Center for the Performing Arts, 3 p.m., Eisenhower Auditorium. Aladdin and the Magic Lamp. Tickets required, call 863-0255.

School of Music, 3 p.m., Recital Hall. The Penn State Women's Chorus. Tickets required, call 863-0431.

School of Music, 8 p.m., Recital Hall. The Pennsylvania Brassworks.

### Monday, November 14

Puerto Rican Awareness Week

Assembly Hall. Laudencia Martinez on "Status of Hispanic Students at Institutions of Higher Education."

High School College Fair, 3 p.m., HUB Fishbowl.

Center for the Sciences Bldg., 101 Agricultural Sciences Bldg. Angela Pattabou on "Genetics and Sexual Orientation."

The Pilgrim Project, 8 p.m., Eisenhower Chapel. "Father Joe," a one-act play, acted by Michael Bernosky. Admission free. Also, Nov. 15 at 12:15 p.m.

Marker Lecture in Chemical Science, 8 p.m., 117 Osmond Lab. K. Barry Sharpless on "Evolution of Selective Catalysis."

### Tuesday, November 15

Professional Women at Penn State, 11:45 a.m., Memorial Lounge, Eisenhower Chapel. Beth Van Horn and Carol English on "The Sandwich Generation."

Puerto Rican Student Association, noon, Paul Robeson Cultural Center. Musical Presentation. Edwin Colon Zayas y su Taller Campesino. Also, Nov. 16, 6 p.m., HUB Assembly Hall.

Marker Lecture in Chemical Science, 4 p.m., S-5 Osmond Lab. K. Barry Sharpless on "Osmium-Catalyzed Asymmetric Dihydroxylation: Mechanism."

Interventions: Films from Black America, 7 p.m., Paul Robeson Cultural Center. "Inspirations."

Center for Women Students, 7:45 p.m., 104 CCB. Film Discussion: "Not A Love Story." Also Nov. 16.

- Central PA Society Archaeological Institute of America, 8 p.m., 101 Kern. Stuart Swiney on "From Prehistoric Hominid Hunters to the Medieval Sugar Industry—Recent Archaeological Discoveries on Cyprus."

School of Music, 8 p.m., Recital Hall. Center

Dimensions.

### Wednesday, November 16

Center for Women Students, noon, 120 Bouckle Bldg. Film Discussion: "Confronting AIDS in Rural America." Commentary by Kimberle A. Kanas, WPSU-TV.

Marker Lecture in Chemical Science, 12:15 p.m., S-5 Osmond Lab. K. Barry Sharpless on "Osmium-Catalyzed Asymmetric Dihydroxylation: Synthetic Applications."

Nittany Mineralogical Society, 7 p.m., 301 Steile Bldg. Alfred Traverso on "Fossil Plants of Pennsylvania."

### Thursday, November 17

The Annual Great American Smokeout, sponsored by the American Cancer Society. Institutional Development Program, 11:45 a.m., 105 AIS Bldg. Larry Spence on "Active and Collaborative Learning."

Sigma Xi, noon, 116 Deike Bldg. John Dutton on "Global Changes."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Chamber Singers.

Econometrics/Applied Workshop, 2:30 p.m., 420 Kern. Tim Hyman on "A Direct Empirical Test of the Case Theorem."

Center for Women Students, 4 p.m., HUB Gallery. Estela Benarmon on "Empowering the Discourse of Academic Management and Leadership."

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Interview with Aphonso Lingis.

Puerto Rican Student Association, 7 p.m., 71 Walker Bldg. Edgar deJesus on "The New Face of the Labor Movement."

Women in Architecture, 7 p.m., 112 Walker Bldg. Donna Selenie Settel, speaker.

### Friday, November 18

Benefit Open House, 8 a.m.-4:30 p.m., HUB Fishbowl.

Puerto Rican Food Festival, noon, Paul Robeson Cultural Center. Musical Presentation: Dante.

Puerto Rican Food Festival, noon, Paul Robeson Cultural Center. Musical Presentation: Dante.

Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "American Painting at the Palmer."

- Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Barry Voight on "Volcano-Watching in Java."

University Resident Theatre Company, 8 p.m., Pavilion Theatre. "Game of Love and Chance." Through Dec. 8. Tickets required, call 863-0255.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Frank Morgan, alto saxophone, and Kenny Burrell, guitar. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Opera Scenes. Also, Nov. 16.

Shaver's Creek, 7 p.m., "Walk When the Moon is Full." Call 863-2000.

### Saturday, November 19

Office of Minority Faculty Development Workshop, 9 a.m., 114 Kern. Robert A. Kilborn on "External Funding." For reservations, call 863-1663.

Gallery Talk, 11:30 a.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Classicism, Impressionism and Postmodernism: Ancient Art at the Palmer Museum."

Minority Theatre Workshop, 7 p.m., Paul Robeson Cultural Center. Performance of Musical. Also Nov. 20.

Shaver's Creek, 7 p.m., "Owl Prowl." Call 863-2000.

School of Music, 8 p.m., Eisenhower Auditorium.

See "Calendar" on page 10

## Arts

continued from page 6

ment of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSP, 91.5 FM.

### Painting exhibit

"Approaching Threshold," an exhibition of paintings by Bill Stamos, is on display in Pates Library's Lending Services Gallery at University Park through Nov. 30.

His exhibition includes recent paintings which employ both abstraction and representation. He explains that his work "explores the union of the conscious with the sub-conscious, the external with the internal."

Mr. Stamos, a returning adult student, will be graduating this year with a bachelor of fine arts in painting and drawing.

### Ann Barton's quilts

The HUB Browsing Gallery at University Park is featuring Ann Barton's quilts until Dec. 11.

Bold patterns made from vivid and unusual fabric combinations are the hallmarks of Ann Barton's quilts.

"Quilting has a 'Back to the Future' aspect, she said. 'Quilts being made today reflect traditions of the past, while promising to delight the eye and give warmth to someone one hundred years from now.'"

The HUB Browsing Gallery is open from 8 a.m. to midnight.

### Jewelry exhibit

The Flat Cases in the Kern Art Gallery at University Park will feature Denise Arie's jewelry from Nov. 15 to Dec. 15.

Her jewelry reflects the mood of the Southwest by creatively incorporating silver, brass, or copper with precious and semi-precious gems.

The Kern Exhibition hours are 8 a.m. to 11 p.m. Monday through Friday, 10 a.m. to 8 p.m. on Saturday, and noon to 11 p.m. on Sunday.

### Cartoon art

Original cartoon art work from the Fred Waring Collection at Penn State is on display in the lobby of Patter Library on the University Park Campus through Jan. 4, 1995.

Few people know that Fred Waring, the man who "taught America how to sing" and inventor of the Waring Blender, was a lifelong fan of the comic strips. They were the first part of the newspapers he read; in fact with the exception of *USA Today*, he never bought a newspaper that didn't have comics in it.

Mr. Waring got to know and love the artists who drew the comic strips, and for almost 30 years, he entertained the members of the National Cartoonists Society at Shawnee-on-Delaware, Pa., annually around the date of his birthday, June 9. As a result, there are literally hundreds of cartoons that were given to Waring that have as their subject Fred, his family, the Pennsylvanians, golf, and Shawnee. The Fred Waring's America collection, which is part of the University Libraries Special Collections, has over 500 of these original drawings.

Included in the collection are cartoons by such artists as Chic Young (Blondie), O. Soglow (The Little King), Ham Fisher (Joe Palooka), George Sista (Rivits), Milton Caniff (Steve Canyon) and the originator of Terry and the Pirates, Bill Keene (Family Circus). Bill Homan (Smookey Sover), Ted Key (Hazel), Walt Kelly (Pogo), Charles Schultz (Peanuts), Walt Walker (Beetle Bailey), Walt Disney and Paul Terry (movie animators), and the dean of cartoonists, the late Rube Goldberg.

### Penn State Erie

Pulitzer Prize-winning poet, essayist, and novelist Maxine Kumin will present a reading at Penn State Erie, The Behrend College, at 7:30 p.m. Wednesday, Nov. 16. The event, which is free to the public, will be held in Reed Lecture Hall, Reed Union Building. Poet Robin Becker will open the evening.

Ms. Kumin is the author of books including *Our Ground*, *Time Here Will Be Brief*, *Up Country, and Nurture*. Her latest book is *Women, Animals, Vegetables, Essays and Stories*. She has taught at several member institutions of the Associated Writing Programs, including Columbia University, Knox College, and Washington University.

## PENN STATERS

Syed Saad Andaleeb, assistant professor of marketing at Penn State Erie, The Behrend College, presented a paper, "Job Satisfaction and Commitment of Family Planning Field Workers: An Exploratory Study," to the National Institute for Population Research and Training in Dhaka, Bangladesh.

Z.T. Bieniawski, professor of mineral engineering, gave a keynote address on "Improving Engineering Rock Mass Classifications through the System Design Methodology" at the 1994 International Conference on Geomechanics in Salzburg, Austria. Professor Bieniawski developed the RMR System, one of the two major rock classification systems currently used throughout the world.

Robert P. Brooks, associate professor of wildlife ecology and director of the Cooperative Wetlands Center, presented an invited paper, "Restoring to Wetlands: An American Perspective," at the Wetlands, Industry, and Wildlife Conference, hosted by the Wildflow and Wetlands Trust, in Leeds, England.

Monty Christiansen, associate professor of recreation and parks in the College of Health and Human Development, has been appointed to the North American Standards Committee, a joint U.S.-Canadian board. The committee's mission is to unify the playground safety standards of the two countries and create a North American Standard for Public Playground Equipment.

Steve Cimbala, professor of political science at the Penn State Delaware County Campus, presented a paper at an international conference on the Cuban missile crisis held in Moscow, Russian Federation.

Paul S. Dimick, professor of food science, presented an invited paper at the International Symposium of L'Alliance 7 and the Center for the Study and Documentation of Sugar (CEDUS) on "The Crystallization in Food Products" in Paris, France. His presentation was titled "Influence of Composition on Crystallization of Cocoa Butter."

Bertrand D. Eardly, assistant professor of biology at the Penn State Berks Campus, presented an invited lecture, "The Genetic Structure of Rhizobium Populations of the Americas and Southwest Asia," at the first International Symposium on the Diversity and Taxonomy of Rhizobium at the Huazhong Agricultural University in Wuhan, Hubei, People's Republic of China.

Raymond W. Eyerly, senior research associate in environmental resources and assistant to the director of the Environmental Resources Research Institute, has been elected to a two-year term as secretary of the Society of Research Administrators (SRA), Northeastern Section. He also has been appointed to the Strategic Planning Committee of the International SRA.

Howard Grothe, professor and head of the Department of Physics, presented lectures on the "Theoretical Status of the Lamb Shift" at the University of Bologna, Italy. He also chaired a session titled "Bound State Physics" and presented a lecture on "Status of the Theory of the Hydrogen Lamb Shift" at the Workshop on Quantum Infrared Physics at the American University of Paris, France.

Steven H. Zarit, professor of human develop-

ment, presented a keynote address, on "Alleviation of Stress and Strain: The Next Goal for Caregiver Research" at the annual meeting of the Canadian Association on Gerontology.

Andrzej Badzian, senior research associate and associate professor of materials at the Intercollegiate Materials Research Laboratory, presented an invited talk on the defects of CVD diamonds at the 8th CIMETC World Ceramic Congress in Florence, Italy. He also gave an invited talk on the electronic application of diamond films at the Korean conference on diamond research and an invited talk on diamond homotopy at the 4th International Conference on the New Diamond Science and Technology in Kobe, Japan.

R. Terry K. Baker, professor of materials at the Intercollegiate Materials Research Laboratory, gave an invited paper titled "Uniquely Behavior of Carbon Nanofibers as a Catalyst Support" and made a presentation on "Carbon Deposition on Nickel-Iron" at the International Conference Carbon '94 in Granada, Spain. He and Nelly Rodriguez, senior research associate and associate professor of materials at MRI, gave papers titled "Characterization of Modified Graphite Structures by In-Situ Electron Diffraction" and "Factors Controlling the Structure of Carbon Nanofibers" at the conference.

E. Willard Miller, professor of geography and associate dean emeritus, College of Earth and Mineral Sciences, and Ruby M. Miller, retired map librarian, have been named honorary chairs of the 21st Century National Council for Geographic Education Endowment Fund. The goal of this endowment is to raise \$1 million to provide research funds to improve geographic education in the American public and private schools.

Robert E. Newnham, Alcoa Professor of solid state science at the Intercollegiate Materials Research Laboratory, has been elected to ADCOM, the administrative committee of the IEEE Ultrasonics, Ferroelectrics and Frequency Control.

Charles S. Prebish, associate professor of religious studies, was the keynote speaker at the Numata Lecture Series on "Buddhisms in America: An Expanding Frontier" at the Institute of Buddhist Studies in Berkeley, Calif. His presentation was titled "The Development of American Buddhism: Two Overviews."

Patrick Shannon, professor of education, has been elected to a three-year term as trustee of the National Council of Teachers of English Research Foundation.

Vladimir Skorikov, graduate student in human development and family studies, and Kathryn E. Hood, associate professor of human development, presented an invited address titled "Dialectical perspectives on Developmental Theory and Research" at the International Society for the Study of Behavioral Development meetings in Amsterdam.

Robert Tauber, professor of education at Penn State Erie, The Behrend College, delivered a paper titled "Acting: Lessons for Teachers: Using Performance Skills in the Classroom" at the 20th annual British Educational Research Association meeting at St. Anne's College, Oxford University, England. Cathy Sargent Mester, instructor in speech communication at the college, co-authored the paper.



## Awards

### College of Health and Human Development Four cited for teaching and research

Four faculty members in the College of Health and Human Development have been honored for teaching and research. The award recipients are:

—John A. Lucas, professor of exercise and sport science, the 1994 Evelyn R. Saubel Faculty Award.

—Phyllis Kernoff Mansfield, professor of women's studies and health education, Dorothy Jones Barnes Award.

—Elizabeth J. Susman, 1994 Evan G. and Helen G. Pattishall Outstanding Research Achievement Award.

—Gerald E. McClearn, Pauline Schmitt Russell Distinguished Research Career Award.

■ The Saubel Award recognizes faculty members for service to students. It was established in honor of Evelyn Saubel, a 1935 home economics graduate who was a longtime assistant to the dean in the former colleges of Home Economics and Human Development.

An Olympic historian and researcher, Dr. Lucas has been involved in Olympic graduate education and service at Penn State for 32 years. He has created jogging clubs and trails for University students and employees, has counseled people on exercise, and frequently volunteers to talk to organizations about fitness or the Olympics. His office serves as a museum of Olympic memorabilia and a meeting place for graduate students.

He has attended every Olympic Games for the past 30 years and has been named International Olympic Lecturer by the president of the International Olympic Committee. He is a Fellow in the American Academy of Kinesiology and Physical Education, and has been named to the Academy of Physical Education, an organization limited to the 125 most eminent scholars in the field. He received the college's Pauline Schmitt Russell Distinguished Research Career Award in 1989.

■ The Barnes Award honors excellence in teaching and contributions to the art of teaching. It is supported by an endowment from Dorothy Jones Barnes, a 1944 graduate of home economics, and her husband, Dr. William T. Barnes.

Since joining Penn State in 1983, Dr. Mansfield's teaching evaluations have ranged from excellent to exceptional. Students frequently refer to her as a role model and mentor, and it is not unusual for some students to pursue women's health after taking one of her courses.

A researcher in menopause and mid-life sexuality, she has developed or helped to develop eight new undergraduate and graduate courses in health education, women's studies, and nursing. Currently she is developing a new course on diversity and health, with funding from the United Federal Savings Endowment.

Students say she provides stimulating and creative thinking in the classroom and many describe her course as "the thinking person's class." A colleague says, "Phyllis believes that students should be challenged to think critically, and they should develop skills which enable them to become better consumers, citizens, and human beings."

■ Dr. Susman is professor of biobehavioral health, human development, and nursing, and director of the college's federally-funded Center for Child and Adolescent Health and Behavior. A leading expert on the relationship between hormones and behavior during adolescence, she was the first to connect hormonal changes in adolescents with changing behavior and physical development. She found that the adjustment to puberty may depend less on sex hormones than on the stress hormones—adrenal androgens and cortisol—that are associated with depression.

She recently was a visiting professor at Harvard University, where she studied the developmental paths that lead to delinquency, criminality, and violent behavior. She was a member of a select group of scientists invited by the National Institutes of Health to identify the most important research issues in biobehavioral health and make recommendations for NIH's research agenda in that area.

She is co-editor of *Emotion, Cognition, Health, and Development in Children and Adolescents* and has published extensively in health and developmental journals.

■ Dr. McClearn is Evan Pugh Professor of health and human development and former dean of the college. An internationally recognized behavior geneticist, he studies the interrelationships among genes, health, and development.

With colleagues at Penn State and in Sweden, he is involved in a large-scale study of elderly Swedish twins, many of whom have been separated both early in life and reared apart. A companion project, OCTO-Twin, involves all twins in Sweden age 80 or older, and is funded through at least a year 2001 with a MERIT award from the National Institute on Aging. Dr. McClearn also directs a major longitudinal study that seeks to identify the "biomarkers" of aging, using mice as models.

He is a past president of the International Behavior Genetics Association, has received the Dobzhansky Memorial Award for eminent research, and has been elected to the Academy of Behavioral Medicine Research. He has served on several review boards and advisory panels for the National Research Council, the Alcohol, Drug Abuse, and Mental Health Administration, and the National Institutes of Health.



Elizabeth J. Susman



John A. Lucas



Gerald E. McClearn



Phyllis Kernoff Mansfield

### Slavic languages professor receives honorary degree

William R. Schmalstieg, Edwin Erle Sparks Professor of Slavic languages and member of the Institute for the Arts and Humanistic Studies, was awarded the degree of doctor honoris causa by the University of Vilnius in Lithuania. Founded in 1957 by the Jesuit Order, the University of Vilnius is the oldest university in any of the republics of the former Soviet Union.

Dr. Schmalstieg, the first American ever to receive such a degree for contributions to Baltic philology, is the co-author of *An Introduction to Modern Lithuanian*, the first comprehensive grammar of Lithuanian ever written in English (4 editions: 1966, 1972, 1980, 1990). He is the author of *An Old Prussian Grammar* (1974) [Old Prussian is a Baltic language, the only grammar of that language ever published in English, *Studies in Old Prussian* (1976) and *A Lithuanian Historical Syntax* (1988)].

Dr. Schmalstieg was president of the Association for the Advancement of Baltic Studies (1982-84) and is known in the Slavic field for his *Introduction to Old Church Slavonic* (2 editions: 1976, 1982) and in the field of comparative linguistics for his books *Indo-European Linguistics: A New Synthesis* (1980) and *Beginning Hittite* (1988), the latter of which he is a co-author.

### Extension employees lauded for achievements

James Cowden, Warren County extension director; Susan Dunn, Clearfield and Jefferson county extension agent, Raymond Kennerknecht, Crawford County extension agent; Jeffrey Mizer, Columbia and Montour Counties extension agent, and William Shuffstall, Clearfield and Jefferson Counties extension director, have received Achievement Awards from the National Association of County Agricultural Agents for "outstanding educational contributions and accomplishments."

Mr. Cowden is responsible for the agriculture, youth and community programs in Warren County. He also conducts water quality programs in several northwestern Pennsylvania counties.

Ms. Dunn developed and delivered a Rural Safety Program for the two-county unit. Volunteers were trained to assist in teaching agricultural safety to 4-H'ers, students, fire fighters, ambulance staff, farmers and other rural residents. She and the volunteers reached youth and adults using workshops classroom instruction, newsletters, newspaper, exhibits and demonstrations.

Mr. Kennerknecht has been a member of the Extension staff for 24 years. He provides leadership for a 1,457 member 4-H/Youth program. His major goal is to develop leadership in 4-H members and leaders.

Mr. Mizer has been a member of the Extension staff for 19 years. He conducts a comprehensive extension program for commercial horticulture producers. He also conducts programs for lawn care professionals, nurserymen, and commercial greenhouse operators.

Mr. Shuffstall has been a member of the Extension staff for 14 years. He conducts Community Development programs and serves as CED for the Clearfield/Jefferson Unit. Under his leadership, 14 staff members in the bi-county unit work cooperatively to conduct a comprehensive extension program.

### Fayette professor earns award

James P. Crawford, associate professor of physics at the Penn State Fayette Campus, has received the 1995 Outstanding Faculty Member Award of the Penn State Chapter of the Golden Key National Honor Society.

Dr. Crawford joined the Fayette Campus faculty in 1983. He has received a number of campus awards, including the 1989 Teaching Excellence Award, and the Research/Scholarly Excellence Award in 1989 and again in 1993.

## Evarts

continued from page 4

three children, Cynthia, Charles and Robert, and three grandchildren, a number shortly to double with the birth of twins to their youngest son and his wife and a child to their daughter.

Although the future of national health insurance is now clouded, Dr. Evarts notes that academic health care centers "have always been committed to high quality care and easy access for all patients, so we don't disagree with that particular approach."

"I am concerned that there has been no significant motion toward providing coverage for all," I think it's very important. However, that kind of coverage requires a basic social commitment. It means that everyone has to share the cost, and some are unwilling to do that. I do feel it will take a state or federal mandate to get this cost sharing; managed care organizations are not going to do it.

"But whatever lies ahead, we'll be working hard here to ensure that the Medical Center always stays a little ahead of the curve."

## Calendar

continued from page 7

um. Bandomara '94. Tickets required, call 863-0255.  
**Sunday, November 20**  
School of Music, 8 p.m., Recital Hall.  
Penn State Low Brass Ensemble Performance Series.

### SEMINARS

**Thursday, November 10**  
University Libraries, 10 a.m., 402 Tower Room, Central Patent Library, Penn State Libraries Catalog in IAS.  
Ceramic Science, 11 a.m., 301 Steidle, Gregory N. Morschner on "Viscoelastic Analysis of Bend Stress Relaxation and Tensile Primary Creep of a Polycrystalline  $\alpha$ -SiC Fiber."  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab, Leonard Susskind on "Black Holes and Information Loss."

**Aerospace Engineering**, 1:25 p.m., 214 Hammond Bldg., Sh-Chung Chang on "New Development in the Method of Space-Time Conservation Element and Solution Element-Applications to Multi-mechanical Flow Problems."  
**Economics**, 3:30 p.m., 402 Kern, Kar-Yu Wong on "International Trade in Goods and Factor Mobility with External Economies."  
**Physics**, 3:30 p.m., 101 Osmond Lab, Leonard Susskind on "The Puzzle of Black-Hole Information Loss."

■ **The Australia-New Zealand Studies Center**, 4 p.m., 114 Kern, Harry Richter on "The Social Sciences in Australia and the Prob-

lem of Intellectualism," Electrical Engineering, 4 p.m., 123 EE East, Johnathan Plant on "Leadership in Public Policy," English, 4 p.m., 102 Weaver Bldg., Ivan Nadel on "The Postmodern Invasion and the Bay of Pigs."

**Friday, November 11**  
Entomology, 11 a.m., 101 ASI Bldg., Anne Halkin on "Spore Vases: Fungi Versus Gypsy Moth," Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam BAB, John Kragel on "Adaptive Intelligence Versus Equilibrium Refinements in an Entry Limit Pricing Game."

**Saturday, November 12**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab, Leonard Susskind on "Black Holes and Information Loss."

**Sunday, November 13**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab, Leonard Susskind on "Black Holes and Information Loss."

**Monday, November 14**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab, Leonard Susskind on "Black Holes and Information Loss."

■ **The Australia-New Zealand Studies Center**, 4 p.m., 114 Kern, Harry Richter on "The Social Sciences in Australia and the Prob-

## Private Giving

### Department receives \$90,000 to design new course

The Westinghouse Foundation has awarded a three-year \$90,000 grant to the Department of Computer Science and Engineering to design an introductory computer science course for engineering students.

Joseph Lambert, department head and director of the project, will design and implement a three-credit course. The course will introduce engineering students to various computer languages and engineering software packages followed up by intensive instruction in a specific language.

Such preparation is necessary as engineering majors often require and use different languages and approaches to algorithmic problem solving, he noted.

To ensure the course's relevancy to student needs, Dr. Lambert will also work with faculty members teaching upper level engineering courses to key class exercises into assignments that engineering students will grapple with later on in the curriculum. He plans to begin offering the prototype course next year.

### "The Westinghouse Foundation

Trustees are pleased to support the restructuring of the introductory computer science course for engineering students," said Cheryl L. Kubelick, a Westinghouse Foundation manager, who notes that Penn State is one of the key sources of engineers for Westinghouse.

The grant continues a long-time relationship begun almost fifty years ago, in 1945, with a grant to Penn State from the Westinghouse Educational Foundation.

### Maryland firm donates \$320,000 to School of HRRM

A Maryland-based manufacturer of computer systems for restaurants, hotels, and hospitality operations has donated funds and equipment totaling \$320,000 to the School of Hotel, Restaurant and Recreation Management (HRRM).

The donation by MICROS Systems, Inc., to be housed in the Mater Building on the University Park Campus, includes two 6700 Hospitality Management Systems, a SCO UNIX based "point of sale" system for Cafe Laura and the research lab, 31 486DX2 fully networked MICROS personal computers for the computer classroom, and the

Fidelio Front Office hotel property management system for the research lab. Also included in the gift are high-speed file servers, funds for installation, all required software, and a year's maintenance and support.

"Penn State's HRRM school is a showcase for the latest in hospitality management systems and education," said Ronald J. Kolson, a 1975 graduate of the University and MICROS Systems' chief operating officer. "We are proud to enter into this partnership with the University."

In recognition of the company's gift, the Thomas N. Nicholson IV Informa-

tion Technology Center will be named in the Mater Building. Mr. Nicholson, who died in 1993, was a senior vice president at MICROS Systems and was well-known throughout the hospitality industry for his spirit, enthusiasm, and commitment to education.

MICROS Systems has a worldwide clientele, and is a subsidiary of Westinghouse Electric Corp. Forbes Magazine named it one of the top 200 publicly traded small companies in the nation in 1992, the third time it was selected for this honor.

### Charges.

**Thursday, November 17**  
Ceramic Science, 11 a.m., 301 Steidle, Ronald J. Kerans on "Progress in the Design and Development of Oxidation Resistant Interfaces for Ceramic Composites."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab, Jose Antonio Zapata on "Lattice Gravity SO(1,3) Gauge Group," Physics, 3:30 p.m., 101 Osmond Lab, Jack Sandness on "Strange Quark Matter—Theory and Experiment."

University Libraries, 6:30 p.m., 102 Classroom Bldg. Introduction to the World Wide Web. Must attend InterNews seminar first. Registration required, call Joyce Combs at 863-0325.

**Friday, November 18**  
Entomology, 11 a.m., 101 ASI Bldg., Ed Dougherty on "Gypsy Moth Nucleo Polyhedrovirus Virus Mechanisms—Fluorescent Brightener - Baculovirus Interactions, in Vivo and in Vitro."

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam BAB, Dilip Abreu on "Reputation and Bargaining."

School of Forest Resources, 1:25 p.m., 205 Fargus Bldg., Jay Stauber on "Biodiversity of Lake Mala'vu Fishes," Economics, 3:30 p.m., 413 Kern, James D. Rodgers on "The Insurance Principle as a Guide to Optimal Compensation for Personal Injury or Death."

### CONFERENCES

**Thursday, November 10**

**Emergency Nurse Program/Family Violence: The Role of the Emergency Department Staff**, 75 attendees, The Penn State Scanlon.

**Friday, November 11**  
Geriatric Nursing, 60 attendees, The Penn State Scanlon.

**Saturday, November 12**  
Goal Health Conference, 110 attendees, 101 ASI Bldg.

**Monday, November 14**  
Underwater Acoustics and Signal Processing, 30 attendees, The Penn State Scanlon. Through Nov. 16.

**Tuesday, November 15**  
Elements of Coal Preparation, 20 attendees, The Penn State Scanlon. Through Nov. 17.

**Polymerase Chain Reaction Technology**, 10 attendees, The Military Inn. Through Nov. 18.

### EXHIBITS

**Art Exhibits Gallery:**  
Ann Barton's Quilts, through Dec. 11.  
**Lending Services Gallery:**  
"Approaching Threshold," paintings by Bill Stamos, through Nov. 30.

**Palmer Museum:**  
"The Plots," installation by Mary Ellen Carroll, through Dec. 11.  
■ **Planet Penn: An Aerial Journey Through a Timeless Land**, through Dec. 18.

"Gifts of Creation: A New Museum," through Jan. 22.  
**Rare Books Room:**  
Illustrated books from the 18th Century, through Nov. 30.  
**Zoller Gallery:**  
"School of Visual Arts Faculty Exhibition," through Dec. 6.

■ **Reflects an international perspective.**



## Actively pursuing quieter spaces

*Researchers work on controlling pressure and energy density to achieve silence in enclosed spaces*

Airplanes, automobiles, trains and other noisy areas may soon be quieter, thanks to a different approach to controlling noise in enclosed spaces, according to University researchers.

"A common problem in the way noise is currently controlled in enclosed areas is that the sound levels go down significantly, but only in localized areas," Scott D. Sommerfeldt, research associate at the Applied Research Laboratory and assistant professor of acoustics, said.

In an effort to control noise, researchers normally use a microphone to introduce a second sound that counteracts the sound already present. active noise control, a complementary sound wave will interfere and wipe out the wave of the bothersome noise. Both waves, in effect, cancel one another.

Typically only an area about 6 to 10 inches around the microphone has reduced sound levels, and the noise in the remainder of the space is unaffected. This can be particularly bothersome in turboprop aircraft.

"Researchers have tried to use a large number of microphones throughout the fuselage of a propeller plane scattered at passenger head height to control noise levels," Dr. Sommerfeldt said. "The sound levels go down in the region of the head, while sitting, but if a passenger stands up or bends toward the floor, sound levels are still high. To achieve even this small area of noise reduction, it can take 50 microphones in a 35-seat airplane."

In a research project supported by NASA Langley Research Center, Dr. Sommerfeldt and John W. Parkins, graduate student in acoustics, began looking for a better way to control the sound more uniformly.

"We decided to look at actively controlling the energy density of the acoustic field rather than just the pressure," Dr. Sommerfeldt said.

Energy density is constructed from the pressure caused by the vibration and the air particle velocity. In the past, only the pressure was the object of control. In an enclosed space, pressure and velocity are linked—if the pressure is high, the velocity is low and vice versa.

"The reason that controlling just the pressure can lead to only localized noise control, is that while the system may minimize high pressure, it may result in high-velocity and low-pressure areas at the control location and the noise remains high away from the area of control," Dr. Sommerfeldt said. "Controlling both pressure and velocity at once, by not decreasing the energy density local noise reduction possible, but it does reduce the sound over a large

**Preliminary tests indicate that controlling both pressure and energy density results in better overall noise control, with the use of fewer locations for noise sensors.**

area."

The Penn State researchers found that if only pressure is controlled, noise levels can be reduced by 30 decibels to 60 decibels, but only locally. If the energy density is controlled, the noise levels are not always reduced as much locally, but the reduction is over a large area. This

lower level of noise control globally is preferred over the higher level locally.

Preliminary tests indicate that global energy density control would also reduce the number of microphone locations needed. However, global energy density control does require six microphones per sensor—

two each in three dimensions (or cube-like).

"Although we may not totally reduce the number of microphones, the six microphones used in each of our sensors are controlled as one, while in the old method, each sensor, meaning each microphone, was controlled independently," he said.

In fact, even if more than one six-microphone sensor is needed, the complexity of the controller would still be greatly reduced, since the number of independent signals to be controlled will be reduced by a factor of six.

"We think we can replace the 50 sensors in a small airplane fuselage with six or eight energy density sensors and cover the entire area," Dr. Sommerfeldt said.

The researchers are currently using a rectangular box to test their approach, but do not anticipate any problems caused by the change in geometry from rectangular to the cylindrical shell of a fuselage.

"That does not mean there might not be problems with installing this system in a real aircraft, car, train or noisy room," Dr. Sommerfeldt said. "We don't know how upholstery, wall surfaces, furniture and people will change the effectiveness of controlling the energy density."

The proposed system uses adaptive control and is composed of an input sensor, controller, digital signal processing board, analog-to-digital converter, loudspeakers and microphones. The reason six microphones are needed is that, in order to obtain the velocity signature, two phase-matched microphones are needed in each direction.

"Other projects have used phase-matched microphones, but they are very expensive," he said. "We took a different approach, we ordered hundreds of inexpensive, eighth-inch, lightweight microphones and then found pairs closely matched in phase."

Once a closely matched pair is found, an algorithm (or step-by-step formula) can be introduced into the controller to calibrate for any slight mismatch. This keeps the cost of creating the sensors down.

"Controlling sound in an entire enclosed area is not always the way to go about active control," Dr. Sommerfeldt said. "Sometimes, it is only necessary to decrease noise levels in a small area. But, if an entire enclosed area is the target, the energy density method should provide more uniform noise reduction."

—A'ndrea Elyse Messer



Scott D. Sommerfeldt, research associate at ARL and assistant professor of acoustics, looks at models of sound waves on his computer.



Dr. Sommerfeldt and John W. Parkins, graduate student in acoustics, test a microphone in an enclosed area.

Photos: Greg Grieco



#### Played out

Two members of the Penn State Blue Band enjoy a quiet moment as they walk toward Old Main. This photo was taken by student Andrea Hurley, a member of the Photojournalism COMM 269 class.

#### CARPOOLER

Looking for a carpooler from Lewistown to University Park. Work hours are 8 a.m.-5 p.m., Monday through Friday. Call Yvonne at 863-3002.

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## PENN STATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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## Promotions

### Staff

Ethel E. Angelloff, administrative assistant II at Penn State Harrisburg.  
Jean E. Bloom, staff assistant VII in College of Agricultural Sciences.  
Judith M. Dorfman, student affairs specialist at Penn State Oquontz.  
Gail L. Eberly, marketing/advertising assistant at The Hershey Medical Center.  
Lori L. Hart, staff assistant VI at The Hershey Medical Center.  
Brenda R. Hockenberry, staff assistant V in Research and Graduate School.  
Christine M. Horting, network support specialist at The Hershey Medical Center.  
Barbara J. Houtz, staff assistant VI in College of Agricultural Sciences.  
Edward A. Mulfinger, manager, Housing and Food Services III, in Housing and Food Services.  
Linda J. Nedimyer, staff assistant VI at Penn State Altoona Campus.  
Benjamin H. Nolt, extension agent, in College of Agricultural Sciences.  
Joy L. Phillippy, clinical head nurse at The Hershey Medical Center.  
Bridget M. Plekutevski, nursing manager at The Hershey Medical Center.  
Malorie H. Sirb, assistant director for admissions at Penn State Harrisburg.  
Mary A. Spangler, data management project leader in Computer and Information Systems, Office of Administrative Systems.  
Elaine D. Stallsmith, staff assistant VI at

Penn State Harrisburg.  
William J. Zimmerman, director, Student Affairs/Marketing at Penn State Schuylkill Campus.

### Tech Service

Allen Cain, maintenance worker (General) A at Penn State Shenango Valley Campus.  
Paul E. Chocallo, maintenance mechanic A at Penn State Wilkes-Barre Campus.  
Rick J. Confer, test track driver in Research and Graduate School.  
Carol J. Drexel, snack bar worker B (Berks Campus) in Housing and Food Services.  
Romayne G. Emel, storeroom worker in The Eberly College of Science.  
Robert E. Johnstonbaugh, maintenance worker/environmental systems, Office of Physical Plant.  
Robert A. Jones, audio-visual technician A in University Libraries.  
Patricia A. Kelliehn, janitorial worker in Office of Physical Plant.  
Slawomir M. Okoniewski, dining hall worker A in Housing and Food Services.  
Christopher A. Opall, audio-visual technician A in University Libraries.  
Robert B. Sauers, general helper-repairer in Housing and Food Services.  
James E. Wansor, group leader, maintenance worker utility, at Penn State Shenango Valley Campus.

## Marker lecture

continued from page 1

Dr. Sharpless received his doctoral degree in 1968 from Stanford University, after which he did postdoctoral research at Stanford University and Harvard University. He joined the faculty of the Massachusetts Institute of Technology in 1970 and in 1987 was named its Arthur C. Cope Professor of chemistry. In 1990 he joined the Scripps Research Institute, where he was appointed William M. Keck Professor of chemistry.

Dr. Sharpless has won numerous awards, including the Arthur C. Cope Award from the American Chemical Society in 1992, the Chemical Pioneer

Award from the American Institute of Chemists in 1988, and the Prelog Medal from the Eidgenössische Technische Hochschule in Switzerland in 1988. He was elected to the National Academy of Sciences in 1985 and to the American Academy of Arts and Sciences in 1994.

The Marker Lectures were established in 1984 through a gift from Russell Marker, professor emeritus of organic chemistry at Penn State, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

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PENN STATE



# INTERCOM

November 17, 1994

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**Down and dirty**

Gary Perryman (left) and Lynn Bigelow, from the Office of Physical Plant, saw concrete near Shortidge Road in preparation for capping the underpass at that location. The rarely-used underpass is being filled and capped for safety reasons. The walls of the underpass are deteriorating.

Photo: Greg Grileo

## Acts of intolerance condemned by University

In response to the appearance on campus of posters and graffiti with anti-gay messages and a recent published report of physical and verbal assaults in State College on people thought to be gay, University staff are encouraging faculty, staff and students to report such incidents to the appropriate offices.

"It may surprise people to learn that it's not unusual for us to find posters with anti-gay messages on campus," Bonnie Ortiz, director of the University's Affirmative Action Office, said. "When anonymous posters like that appear, we take them down immediately. It's really outrageous. It's a cowardly way to put out hateful and contemptible messages."

Ms. Ortiz and other University staff urge people who find such posters, or who witness or suffer verbal or physical assaults, to report them immediately to the Affirmative Action Office, the Office of Student Life, the Office of Judicial Affairs, Police Services, or other offices. In general, faculty and staff should work with the Affirmative Action Office, and students should work with the Office of Student Life. Violations of the University's code of conduct should be reported to the Office of Judicial Affairs. Reports also could be made to minority coordinators in the individual colleges.

■ In its policy statement on intolerance, the University affirms its support for "an educational environment which is free from intolerance directed toward

individuals or groups" and "an environment that fosters respect for others." The University condemns actions motivated by intolerance, whether they are

***"It may surprise people to learn that it's not unusual for us to find posters with anti-gay messages on campus."***

Bonnie Ortiz  
director, Affirmative Action Office

based on race, color, national origin, gender, sexual orientation, or political or religious belief. Such acts should be reported to the Affirmative Action Office.

■ Intolerant behavior, including the appearance of graffiti and posters, verbal and physical attacks, vandalism, and harassment, also can be reported on a form available from the Student Life Assistance Center in 101B HUB. "If we know who (was responsible), whether it's a poster, graffiti, or a verbal attack, then we'll follow through with the person or group and attempt to educate them on the seriousness of the act," Sharon Mortensen, assistant director of student life, said. Incidents reported through the office also are reported to

See "Intolerance" on page 3

## Prospective students get aid information with touch of a button

Janet Gould of Bethlehem, Pa., who has been accepted as a first-year Penn State student for fall 1995 at the University Park Campus, already has a ballpark estimate of the financial aid she can probably get if she and her family make the final decision to enroll at Penn State next year.

After she got the offer, Janet filled out a six-question form that was included in the Penn State mailing, and her father John used a touch-tone phone to enter the answers into Penn State's computer. The Goulds could have had the information faxed to them the same day, but they asked that it be mailed. Two work days later, they had the estimate.

"It worked pretty well," John Gould, said. "It's a very good system — especially if it's in the ballpark."

***"The beauty of the system is, we can get financial aid information on its way ... in less than 12 hours after they ask for it."***

Brown Wagner  
developer of the system

Janet, a senior at Freedom High School who wants to major in pre-med, is applying to several schools and won't make a final decision until she hears from all of them. But, her father said, the early estimate from Penn State "does help to make the decision some-

what easier. I wish the others would have the same system."

The voice response system, which prompts family members to enter the data themselves from a touch-tone phone, will allow Penn State to respond quickly to requests for preliminary estimates of financial aid. Using this system means that Penn State can send estimates to about 20,000 students who will be accepted as first-year students in fall 1995. It's a daunting task that would be impossible to carry out if Student Aid Office employees had to enter all the information themselves.

"The beauty of the system is, we can get financial aid information on its way to the families in less than 12 hours after they ask for it," said Brown Wagner, student aid operations director who developed the system. "The financial

aid information is extremely important to families. More and more, cost is becoming the predominant factor in deciding which school a student is going to attend, and we get more and more families who want to know what kind of aid they can get for their son or daughter."

John Romano, vice provost for enrollment management and administration, gave the Student Aid Office the assignment of expanding the early response system from a pilot program that reached nearly 6,000 students last year. Dr. Romano, too, emphasizes that the choice of a college is increasingly based on the availability of financial aid.

"Cost of attendance is very much on the minds of students and their families."

See "Aid" on page 3

## DIVERSITY

# Finding the key to diversity in higher education

Not only do institutions have a difficult time assessing the overall effectiveness of what they do on behalf of diversity, they tend to assume that they are doing the right things, because what they do appears to be so right, according to the authors of a new report, "Crucial Practices for Diversity."

Institutions also assume, in contradiction to accumulating evidence, that developmental programs are both nec-

essary and sufficient to minority student success. For example, programs specifically designed for students of color may be organizationally and budgetarily untouchable, yet lack support as an integral part of the academic enterprise. Funding becomes the overriding factor, so much so that it masks the need to address other, equally important, considerations, such as program evaluation, alternative approaches to services and the need for better-coordinated relationships with other initiatives.

Those "other considerations" are the focus of a project report from the Alliance for Undergraduate Education, an association of 14 large public universities concerned with improving undergraduate education. The Alliance's Working Group on Underrepresented Minorities developed a study of policies and practices aimed at fostering success among minority undergraduates. The study yielded a set of diversity practices that the Alliance believes can assist a wide range of colleges and universities to become more successful in creating a diverse and supportive campus climate.

"What began as an effort to design a self-assessment guide that could help an institution gauge the value of individual programs quickly focused on the need to understand the interrelationships among programs for undergraduate students of color and other policies and practices on campus," said Anne Kusner Nelsen, executive director of the Alliance, which has its headquarters at Penn State.

The report's authors — Dr. Nelsen, who is also university research and planning associate at Penn State; Dennis L. Cabral, associate to the senior vice president for academic affairs at the University of Minnesota; and Richard A. Hollingsworth, dean of students and assistant vice president for student affairs at Ohio State — note that "despite the unique qualities

and environments of each campus, certain patterns of challenges and opportunities gradually emerged as common to most.

"We firmly believe that it is the guiding principles of behavior we

**The key determinants in shaping successful diversity programs often involve some of the most obvious aspects of university life — leadership, vision and the use of information...**

have identified as crucial are pursued diligently, they have the potential to transform our institutions into welcoming and sustaining environments for all members of the university community."

The key determinants in shaping successful diversity programs often involve some of the most obvious aspects of university life — leadership, vision and the use of information — making it easy to overlook and misunderstand their importance, according to the Alliance report.

The report identifies nine intertwining practices for success, the first four of which are identified as the first key requirements. Those elements are: — Leadership. Presidential-level leadership is essential but not sufficient. Leadership needs to exist at every level and be coordinated across the institution. To be effective, leadership needs to be attuned to the institutional culture.

— Vision. Institutional vision is an essential element in achieving and sustaining a climate that supports diversity. It should be encompassing,

shared throughout the university community, and compellingly articulated by the senior leaders.

— Diversity. The term diversity may be conceptualized and interpreted in many different ways, but it is essential that an institution develop a shared understanding of its meaning and appropriate ways to realize that understanding on campus.

— Centralization versus Decentralization. Whatever the dominant organizing principle of a campus, it is important to compensate for inherent natural tendencies: decentralized campuses need to make extra efforts to prevent isolation, to share successes, and publicize innovation. More centralized institutions need to avoid attempting to change the campus culture by decree and instead foster broad acceptance and support at the departmental level.

The other five key practices focus on communication across groups; providing data that is useful and shared appropriately; accountability that extends unbroken from the president or chancellor to the student; coordination of recruitment and retention efforts, and, finally, the valuing and effective utilization of the talents and dedication of those who foster change on campus without asking them to sacrifice their individual careers, what the authors have called the concept of "commitment capital."

"Crucial Practices for Diversity" has been distributed to member institutions, accrediting associations, higher education associates and key individuals; it is available through Gopher on Internet or from the Alliance office at Penn State. A number of universities, such as the University of Minnesota and UCLA, are using the report in workshops for faculty, administrators and boards of trustees or regents. At Penn State, it has already become an integral part of strategic planning for diversity.

### CARPOOLER

Are you looking for a carpool from the Phillipsburg area to University Park? Call Jamie at 863-7850. Work hours are 8 a.m. to 3 p.m. Monday through Friday.

### OBITUARIES

Laura W. Bower, scheduling coordinator, Office of University Registrar, from Aug. 1, 1961, until her retirement Jan. 1, 1984; died Oct. 11 at the age of 74.

P. Richard McMullen, utility worker, Hershey Medical Center, from Dec. 4, 1968, until his retirement June 13, 1981; died Sept. 12. He was 78.

Alfred E. Peters, janitorial worker, Office of Physical Plant; from Sept. 10, 1968, until his retirement April 1, 1978; died Sept. 22 at the age of 72.



### The sound of music

World renowned flutist James Galway teaches a master class to music students in the College of Arts and Architecture.

Photo: Greg Grieco



## Intolerance

continued from page 1

the administration, and if appropriate, to Police Services.

■ Non-physical abuse based on intolerance that doesn't involve a violation of University policy can be reported to the Office of the Vice Provost for Educational Equity. "My role is to be sure people know where an incident can be reported and to go with them if they need support," Karen Feldbaum, executive assistant to the vice provost, said. Ms. Feldbaum's job is to focus on issues of importance to the gay, lesbian and bisexual community.

"We encourage people to get in touch with us if they are witnesses to some sort of abusive behavior," Anne Ard, a senior diversity planning analyst in the office and staff director of the Committee on Lesbian, Gay, and Bisexual Equity, said.

■ Incidents that involve violations of the University's code of conduct for students should be reported to the Office of Judicial Affairs. Name-calling alone may not be enough, but it may rise to the level of harassment if it is repeated or involves threats or physical violence. In any case, it should be reported to judicial affairs. "The most important thing is that people who feel they have been victimized need to know they can contact us," Deborah Hamilton, assistant director, said.

The code of conduct says that disciplinary action may follow violations of any University policy, including harassment and vandalism. Also, under its policy on intolerance, the University emphasizes that sanctions may be increased, even to expulsion from the University, for any violation that "is motivated by intolerance toward an individual or group based on characteristics such as race, color, national origin, gender, sexual orientation,

tation, or political or religious belief."

■ Physical assaults of any kind should always be reported to the police, whether Police Services on campus or the State College police.

While the University condemns speech that reflects intolerance, and tries to protect individuals and groups from such speech, its policies strongly uphold the expression of views contrary to its policy and objectives. Posters with hate messages are often removed because they are illegally posted in restrooms and other

locations, rather than on bulletin boards, or because they are anonymous and not affiliated with any group.

For a poster or graffiti with an anti-gay message to raise a free speech issue, Ms. Ortiz said, "the individuals or groups involved would have to identify themselves as being responsible. Usually no one is willing to take ownership of these hateful messages."

— Alan Janesch

## WHERE TO TURN FOR HELP

The following are among the resources available to gay, lesbian, and bisexual people in and around Penn State.

The Lesbian, Gay, Bisexual Student Alliance (LGBSA) is a registered Penn State undergraduate student organization that meets weekly in the Paul Robeson Cultural Center. The group sponsors a variety of educational, political and social programs throughout the year. 310 HUB. 865-3327.

The Coalition of Lesbian, Gay, and Bisexual Graduate Students is a registered graduate student organization that meets once or twice a month, often in the lounge of the Center for Women Students. 237-1950.

The Committee on Gay, Lesbian, Bisexual Equity is a University-wide group of faculty, staff, students and administrators who address a variety of issues, including domestic partner benefits, curriculum integration and education of the Penn State community on gay, lesbian and bisexual issues. It is part of the Office of the Vice Provost for Educational Equity. 863-7696.

The Gay, Lesbian, Bisexual Faculty/Staff and Allies organization meets periodically to discuss and respond to pertinent issues related to the Penn State and State College communities, and for social activities. For more information, call 863-9512.

The Lesbian, Gay and Bisexual Christian Alliance is a Christian student fellowship offered through United Campus Ministry. For more information, contact Rev. Cynthia Mason at 238-6739.

A brochure on the groups described above, plus information on health services, community groups, and books and other resources is available through the Office of the Vice Provost for Educational Equity. Contact Karen Feldbaum, 863-9512, or Anne Ard, 863-7890.

— AJ

## PROMOTIONS

Evelyn M. Ellis, coordinator, Minority Programs, in College of Arts and Architecture.

Judith A. Espenshade, accountant aide, at The Hershey Medical Center.

Melanie K. Espenshade, staff assistant V at The Hershey Medical Center.

Debbie L. Firestone, staff assistant VI at The Hershey Medical Center.

Hope H. Frey, staff assistant VI in The Smell College of Business Administration.

Michelle L. Gingery, staff assistant VI in College of Health and Human Development.

Dorothy J. Guy, manager, Human Resources, at Penn State Harrisburg. Holly C. Harris, assistant director of Student Affairs at The Hershey Medical Center.

Richard S. Houtz, communications analyst III in Computer and Information Systems-Telecommunications.

John P. Ikenberry, senior research coordinator in Division of Development and University Relations.

Edward R. Kane, technician, Research, at The Hershey Medical Center.

Peter A. Kaufman, supervisor, Graphic Services, in College of Agricultural Sciences.

Marsha E. Krise, senior applications programmer/analyst in Computer and Information Systems. Office of Administrative Systems.

Dianna K. Malinowski, staff assistant VI at Penn State Erie, The Behrend College.

Jack E. McMahon, senior research coordinator in Division of Development and University Relations.

Kathryn M. Melusky, area representative III at Penn State Schuylkill Campus.

## Aid

continued from page 1

lies as they make college choices today." That's why I considered it essential to expand our early response program."

Under last year's pilot program, 5,805 students accepted for fall 1994 were given the opportunity to apply for an early estimate of student aid. About 1,747 responded, which is more than 30 percent of the original pool. Of the 1,747 who responded, 604 (nearly 35 percent) went from an acceptance offer to "paid accept" status. Only 25 percent of those who did not apply for the early aid estimate went on to paid accept status.

To date, the University has sent acceptance offers and applications for the early aid estimate to close to 8,000 prospective students. By January 1995, about 20,000 offers and applications will have been sent out.

Small private colleges have been giving prospective students early estimates of financial aid for years. But large public institutions, which in general don't have the endowments that

private colleges do, haven't been active in this area. Penn State is probably the first large state-related institution to use a voice response system to provide early aid estimates to prospective students.

Anna Griswold, assistant vice provost for student aid, says many student aid offices at colleges and universities across the country want to provide early aid estimates. "The new voice response technology in our office is a state-of-the-art way of providing this information."

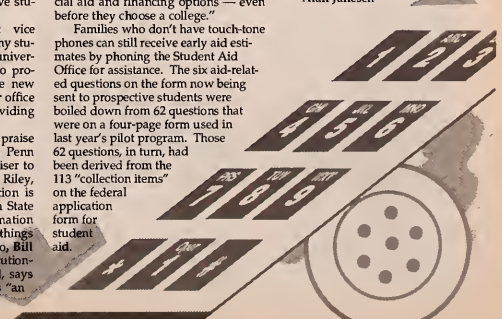
The system also is earning praise from education experts outside Penn State. Leo Kornfeld, senior adviser to U.S. Education Secretary Richard Riley, says the Department of Education is "very impressed" with the Penn State system and wants more information about it. "We want to be doing things like this at the department." Also, Bill Miller, director of state and institutional services at The College Board, says Penn State's program represents "an

innovative use of voice response technology. Penn State's program serves students and families more effectively by informing them early about financial aid and financing options — even before they choose a college."

Families who don't have touch-tone phones can still receive early aid estimates by phoning the Student Aid Office for assistance. The six aid-related questions on the form now being sent to prospective students were boiled down from 62 questions that were on a four-page form used in last year's pilot program. Those 62 questions, in turn, had been derived from the 113 "collection items" on the federal application form for student aid.

Ms. Wagner says the six questions enable Penn State to provide estimated financial aid information that's highly accurate for low-income and high-income families and "a good ballpark estimate" for most middle-income families."

— Alan Janesch



## LEADERSHIP PROFILE



Dave Gearhart, senior vice president for Development and University Relations.

JOE PATERNO ONCE TOLD ME THAT MY JOB IS A LOT LIKE A COACH'S," DAVE GEARHART SAYS.

"No matter how terrific your last season was, next fall you have to go out there and prove yourself all over again."

And that is exactly what Penn State's senior vice president for Development and University Relations has been doing since he came to University Park nine years ago.

"We had a little mini-celebration in our office this past June 30, because we'd reached \$83 million in private gift support," Dr. Gearhart reports. "But when we came in to work on July 1, the balance was back to zero."

Perhaps the figures that best encapsulate the achievements of the University's development efforts since 1985 are the growth in faculty and student endowment funds. The number of chairs, professorships and faculty fellowships has increased from 19 to 150, and student endowed scholarship funds, from 400 to almost 1,600. The endowment has increased from \$54 million to \$310 million.

"I think that's what this office is all about," Dr. Gearhart says. "We are a service office that is here to support the deans, the faculty and the president and to facilitate the learning process for students. We're part of a major enterprise and not an end in ourselves."

In his capacity as an affiliate assistant professor of education, Dr. Gearhart maintains his ties to that academic enterprise by teaching a graduate seminar.

"Interacting with students and other faculty has helped make me more sensitive to their feelings and needs," he notes. "You see the real impact of high tuition when you talk with a student who doesn't know if he'll be able to find the money to come back for the next semester."

"I also think students who are looking toward careers in higher education administration should get to know something about our end of the business. After all, surveys have shown that college presidents today spend up to 75 percent of their time in development, communications and alumni relations activities."

"There really is a tremendous ignorance out there about what we do," Dr. Gearhart reflects. "We need to do a better job communicating to our internal constituencies the responsibilities of our division."

"Development is a process. It takes between two and three years to turn a major gift, so any time we feel there's a chance to garner that kind of support, we have to get out and spend time with the potential donor."

"University development is laborious, task-oriented work, to which strong, prompt follow-through is absolutely critical. I have tried to instill the idea in everyone in our operation that when someone

calls with an inquiry, they have to receive a prompt reply.

"My staff sometimes kids me if I become too obsessive, but my great fear is that something will slip through the cracks."

At Penn State, unlike many other public universities, the activities of development, communications and alumni relations are closely integrated, and the divisions work together as a team to reinforce one another's efforts. Dr. Gearhart believes that's essential to the success of a major campaign.

"One of our alumni friends once told me that the way to win at tennis was always to get the best, biggest and brightest players on your side of the net," Dr. Gearhart says. "I think we've done that. We have a superb staff and a really dedicated group of volunteers who help us."

"We're lucky that Penn States are so rabid about their institution. It would be impossible to quantify the amount of time and effort the members of our National Development and Alumni Councils have given to this support of our efforts."

At this very moment, according to Dr. Gearhart, loyal Penn State alumni and friends are deployed across the country in support of LEAP — Leadership, Evaluation and Assessment Program — designed to find new prospects for giving among the ranks of fellow alumni, corporations and foundations.

The names of several thousand potential new benefactors already have been added to Development's computer banks, and Dr. Gearhart believes momentum for a second Capital Campaign is building.

"Penn State's deans, our senior faculty and the academic leadership don't have to be convinced of the

need for a strong development program," he says, "and a successful campaign must have their support. However, I don't see our announcing a goal much before 1997. Campaigns don't just happen. They require a great deal of spadework and planning."

The man behind Penn State's first successful Capital Campaign is a native of Arkansas. He feels quite comfortable with his oversight responsibilities for University communications, since he practically grew up in the offices of the Northwest Arkansas Times of Fayetteville, where his father was the publisher.

His entry into the field of development came about almost by accident. While still in law school at the University of Arkansas, he was asked by the interim president of Westminster College in Missouri, his alma mater, to become his assistant. From that position, at the ripe old age of 24, he applied for an opening in development and was named director by the college in 1977.

That same year he earned his law degree (J.D.) and then was offered and accepted the vice presidency for development at Hendrix College. From 1982 to 1985, he was director of university development at the University of Arkansas, where he also earned a doctor of education degree in higher education administration. In 1992 he was awarded a Fulbright Fellowship at Oxford University, where he worked and studied at Merton College.

Dr. Gearhart is the author of a forthcoming book, *The Capital Campaign in Higher Education — A Practical Guide for College and University Advancement*. It will be published in December by the National Association of College and University Business Officers.

See "Gearhart" on page 8

## DAVE GEARHART

### GARNERING SUPPORT ONE DAY AT A TIME

"CAMPAIGNS DON'T JUST HAPPEN. THEY REQUIRE A GREAT DEAL OF SPADEWORK AND PLANNING."

PENN STATE





## CQI

CONTINUOUS  
QUALITY  
IMPROVEMENT

### CQI panel discussion

An opportunity to learn from CQI team members who currently are working on improvement activities and to discover

why they started on their CQI journey will be made available to the University community at a CQI panel discussion at 3:30 p.m. Friday, Nov. 18, in Room 312 Keller Conference Center. Panel members are Carol Findley, facilitator of the University Registrar Graduation Requirements CQI team; Ralph Hostlerman, leader of the Review Student Aid Rewrite CQI team, and Will Wadlington, leader of the Counseling & Psychological Services Intake CQI team. Louise Sandmeyer, executive director of the CQI Center, will moderate the panel. Panelists will discuss the activities of their teams and what the teams are doing to improve the processes in their units.

### Principle centered leadership

On Nov. 29, the CQI Center and the Office of Continuing and Distance Education will offer a teleconference, "Increasing Quality Performance with Principle-Centered Leadership." During the teleconference, Keith A. Guldge, vice president of the Senior Resource Group of the Cove Leadership Center, will explore why quality initiatives are less than successful, what holds back quality within organizations, and the principles you will need to become successful in developing quality over the long term. Featured in the teleconference will be an interview with Stephen Covey.

A faculty member from Management Development Programs will expand upon the teleconference topic during an on-site group discussion following the satellite segment. The teleconference and group discussion will last from 12:45 to 4:45 p.m. and will be held at Penn State Scenicton. The cost to Penn State faculty, staff and students is \$20. Preregistration is required by Nov. 18. To register, please call Tiffany Shultz at 863-0229 or e-mail TVCI@PSUAD.MIN.

### Western CES campuses

**attend benchmarking workshop**  
A one-day workshop on comparative and process benchmarking was held for campus executive officers and some campus faculty members and staff on Nov. 9 at McKeesport Campus. Representatives from Altoona, Beaver, DuBois, Fayette, McKeesport, New Kensington, and Shenango campuses were present.

### Faculty applying CQI

At their monthly meeting on Oct. 27, faculty who use continuous quality improvement in their classrooms heard Larry Spence, associate professor of political science, discuss the proposed Institute for Active and Collaborative Learning and describe his new TQM course, "Continuous Quality Improvement in the Classroom: A Workshop for Students." Faculty interested in learning more about this group's meetings may call the CQI Center at 863-8721.

## Students selected for College of Medicine Class of '98

The 112 medical students of the Class of 1998 at The Milton S. Eshelby Medical Center have begun their studies at the College of Medicine.

The class, composed of 51 percent Pennsylvania residents, includes 55 women and 54 men. The minority student representation is 28 percent. The mean GPA for these students was 3.53.

Sixty-eight undergraduate colleges are represented in the class, including Penn State, Franklin and Marshall College, the University of Pittsburgh, the University of Pennsylvania and Cornell University.

Thirty-two different fields of study are represented. The largest number of students, 73 percent, majored in science, while 27 percent were non-science majors. Nine students have pursued graduate study, one of whom earned a Ph.D. in biology.

Selecting the class is the responsibility of the Medical Student Selection Committee. Committee members reviewed 3,946 applicants and interviewed 805 students. The applicant pool was 60 percent male and 40 percent female. Minority applicants comprised 17 percent of the applicant pool.

## Department of Accounting ranked 15th in national poll

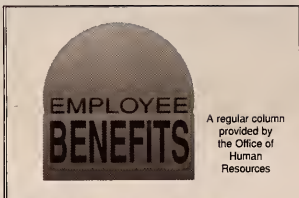
The Smeal College's Department of Accounting was ranked 15th in the nation in *Public Accounting Report's* 13th Annual Professors Survey.

More than 150 accounting department heads and professors from 90 leading colleges and universities rated U.S. accounting programs telling the magazine which they thought were among the five best at the undergraduate, graduate, and doctoral levels. Placements in the top tier were translated into points, and points totals were then translated into rankings.

Unrated in 1993, The Smeal College's undergraduate accounting program jumped into the list just behind Arizona State (39th) and the University of Washington (14th), but ahead of Northern Illinois (16th) and the

University of California at Berkeley (17th). Topping the Accounting Report's list were the University of Illinois (1st), University of Texas (2nd), University of Southern California (3rd), Brigham Young University (4th), and Notre Dame and the University of Michigan (tied for 5th). Texas A&M came in at 20th, two notches below the University of North Carolina (18th) and the University of Virginia (19th).

The University of Texas was the leader in *Accounting Report's* top 20 graduate program poll followed by Illinois and Michigan. The University of Chicago was first among the top five doctoral programs followed by Stanford University and Illinois. Penn State was not included in the latter polls.



### Understanding Your Benefits

**What Do the Health Care Terms "Reasonable and Customary" and "Stop Loss" Mean?**

To understand potential financial responsibility and reimbursements with Plan A and the Healthpass PPO, the following are explanations of reasonable and customary limits and the stop loss provision. These terms do not apply in HMOs since HMO fees are established in advance and are covered by the HMO.

#### Reasonable or Customary Limits

Reasonable and customary limits (also known as prevailing fees) are the amounts of fees for health services commonly charged by persons of similar training or experience in a geographic area.

All Plan A services eligible for reimbursement under major medical are subject to reasonable and customary limits, as well as Healthpass PPO reimbursements for services when nonparticipating providers are used.

The following example may help to demonstrate how reasonable and customary works.

#### Example:

Physician's fee	\$1,000
Reasonable & Customary limit	920
Not considered for payment	80

For the above example, major medical would cover \$920 of charges. The \$100 deductible would be applied. That leaves \$820 for consideration. The plan then would pay for 80 percent of the \$820 or \$656. The patient in this example pays:

Amount over reasonable & customary	\$80
Deductible	\$100
Coinsurance	\$164 (\$820 x 20%)
Total out-of-pocket:	\$344

This example is for Plan A. The same method is used for the Healthpass PPO; however, under the Healthpass PPO, reasonable and customary limitations would apply only if a nonparticipating provider were used.

#### Stop Loss

Stop Loss provisions of Plan A and the Healthpass PPO relate to out-of-pocket expenses for eligible major medical charges. Out-of-pocket expenses for eligible major medical charges are defined as the deductible and the 20 percent coinsurance paid for by the individual. When the deductible and the coinsurance paid by the member accumulate to \$1,080 in Plan A (or \$1,040 in the Healthpass PPO), "stop loss" is in effect, and the major medical benefit level paid by the University will increase from 80 to 100 percent for the remainder of the current year and for the following calendar year, but not thereafter. After that, the stop loss requirements must be met anew for stop loss to apply again.

Amounts greater than reasonable and customary limits, and noncovered benefits, are not eligible expenses and are not applied toward the out-of-pocket maximums.

# The ARTS

AT PENN STATE

## Drawing exhibits

The Architectural Engineering Student Drawing Exhibit is on display in the Architectural Engineering Gallery of Engineering Unit "A" through Friday, Nov. 18, on the University Park Campus.

The exhibit displays drawings by students enrolled in the 4th year design analysis studio, Arch 441, taught by Richard Alden, assistant professor of architecture, and Pier Bandini, associate professor of architecture.

The First Year Architecture Student Drawing Exhibit is on display in the Architecture Building on the second floor North Corridor Gallery of Engineering Unit "B" through Saturday, Dec. 10.

The exhibit highlights drawings from Arch 120B, a visual communications class taught by Professor Alden.

## Alto saxophonist and guitarist

Alto saxophonist Frank Morgan and guitarist Kenny Burrell will perform at 8 p.m. Friday, Nov. 18, in Eisenhower Auditorium on the University Park Campus.

Putting a heroin addiction and 30-year imprisonment in San Quentin behind him, Morgan prefers to focus on his music. His recent series of best-selling albums includes "Mood Indigo" featuring Wynon Marsalis, "A Love some Thing" with Roy Hargrove and Abbey Lincoln, "You Must Believe in Spring," and his latest, "Listen to the Dawn."

Kenny Burrell is considered one of the most lyrical guitarists in all of jazz, one of the reasons he was Duke Ellington's favorite improvisers on that instrument. He has established a reputation as being able to fit into any musical idiom without diminishing his own identity.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m. at (814) 863-0255.

## Opera Theatre

Opera Intermzzo, Penn State Opera Theatre's first production of the '94-'95 season, will be presented at 8 p.m. Friday, Nov. 18, and Saturday, Nov. 19, in the School of Music Recital Hall on the University Park Campus. The performances are free to the public.

The Penn State Opera Theatre is composed of voice students from the School of Music. Opera Intermzzo is directed by Susan Boardman, associate professor of voice, and Karen Eckenroth, opera graduate assistant. Faculty and staff featured in this production are

Suzanne Roy, associate professor of voice and vocal literature, and Walter Wells, Pattee Arts Library assistant.

## Combined concert

The Penn State Trombone Choir, the Bassa Imperiale and the University Brass will perform at 8 p.m. Sunday, Nov. 20, in the School of Music Recital Hall on the University Park Campus. The concert will open with the Penn



"Pictures of Things I Want from Wal-mart"

This latex relief print on handmade paper was done by Charles Cave, assistant professor of art. It is part of the School of Visual Arts Faculty Exhibition on display in Zoller Gallery on the University Park Campus until Dec. 6.

State Trombone Choir, under the direction of Mark Lusk, associate professor of trombone, and graduate assistant Bruce Tychnicki. The Bassa Imperiale will be directed by new faculty member Martin Erickson. The University Brass will conclude the program under the direction of Professor Lusk.

The concert is free to the public.

## Faculty recital

Richard Kennedy, tenor and assistant professor of voice, will sing a recital at 8 p.m. Tuesday, Nov. 22, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

Joining him will be soprano, Deborah Montgomery of the music faculty at Ithaca College, in Ithaca, N.Y. The program for the duo recital will be the first part of Hugo Wolf's "Italienisches Liederbuch," a group of 46 songs in German. The duo will sing the first 22 songs this year, and the remaining 24 songs next year to complete the set.

The recital is free to the public.

## Children's Museum

Jawaid Haider, associate professor of architecture, with funding from the National Endowment for the Arts and the College of Arts and Architecture,

has studied the exhibits and designs of more than 30 children's museums in the United States and abroad. His 30-minute program, "Architecture and Children's Museums: Through the Looking Glass," was produced by WPSX-TV, and will air on Channel 3 at noon Friday, Nov. 25, 3:30 p.m. Saturday, Nov. 26, and 7 p.m. Sunday, Nov. 27.

To understand children's architectural needs, the program explores the child's world, especially through play. This program features the perspectives of leading international architects Frank Gehry, Denise Scott Brown and Robert Venturi, as well as museum directors, exhibit designers and a child psychologist.

## Australian artists at Behrend

Australian artists, Frances and Neil Courtney, will appear at Penn State Erie, The Behrend College, on Tuesday, Nov. 29.

Frances Courtney, curator and acting director of the Latrobe Valley Arts

from the 18th century that explore the ways in which boundaries were obscured, transgressed, or crossed. The Rare Books Room, W342 Pattee Library, is open Monday through Friday, 8 a.m. to 5 p.m.

## LIVE in concert

The University Concert Committee proudly presents, "LIVE" in concert on Wednesday, Nov. 30 in Recreation Building. The opening band will be named at a later date.

Tickets are \$18.00 and are available at Eisenhower Auditorium Box Office 8:30 a.m.-4:30 p.m. Monday-Saturday, and at Schwab Auditorium Box Office, 11 a.m.-3 p.m. Monday-Saturday.

## WPSX-TV drive

WPSX-TV, Channel 3, will ask public television viewers for financial support to help purchase and produce programs when the station begins its Winterfest '94 on membership drive Monday, Nov. 28, airing through Monday, Dec. 12.

According to Mark Erstling, general manager of Channel 3, "for the past year, nearly 60 percent of all households in the U.S. tuned in to public television at least once a week. That's almost 102 million people a week. Locally, an average of just over 56,000 households tuned in to Channel 3 each day."

WPSX-TV is a partnership with the community where one-fifth of Channel 3's overall budget comes from community-based resources. Membership drives are a critical and necessary part of creating that partnership. The programming during Winterfest '94 represents a sample of the station's year-round schedule as well as many new and favorite holiday specials.

WPSX currently has more than 15,000 members in 29 counties in central Pennsylvania and four counties in southern New York.

## Photography exhibit

Cara Judea Ahadeff is holding an exhibition of her photography in Pattee Library's West Lobby Gallery through Nov. 30.

Ms. Ahadeff says about her work, "My images explore the precarious balance between desire, denial, excess, pleasure, and pain and the ways in which 'difference' is defined within their intersecting boundaries."

## Odyssey on WPSU

William Peterson, of the History Department, discusses Romanus the Melodist, a fifth century Christian poet, and his "Hymns of the God Before Time" on the next Odyssey Through Literature program.

Scholars believe these hymns to be indirectly based on the Diatessaron, a controversial "harmonizing" of the four Gospels. "As late as 425 C.E., parishes were using the Diatessaron as their Gospel," he says, although "actions were being taken by the Orthodox bishops to suppress these texts."

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature in the audio studios of WPSX-TV. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

Center in Australia, will discuss Australian women artists at noon in the Women's Resource Center, Reed Union Building. Her lecture, which is free to the public, is being sponsored by the college's student organization, Women Today.

Neil Courtney, poet and professor of Australian and American literature at Monash University in Gippsland, Australia, will present "Australian and English Folk Tales" at 7:30 p.m. in Reed Lecture Hall, Reed Union Building. His appearance is sponsored by the Clarence A. and Eugenie Baumann Smith Endowment Fund.

For more information about the Courtney's visit, call the Penn State Behrend Division of Humanities and Social Sciences at 898-6108.

## Illustrated books

An exhibition of illustrated books from the 18th century has been extended through Dec. 23 in Pattee Library's Rare Books Room.

The University recently hosted the 25th anniversary meeting of the East-Central American Society for Eighteenth-Century Studies. In conjunction with the conference theme of "Crossing Borders," the Rare Books Room has mounted a display of illustrated books



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, November 17

The Annual Great American Smokeout, sponsored by the American Cancer Society. Instructional Development Program, 11:45 a.m., 106 ASI Bldg. Larry Spence on "Active and Collaborative Learning."

Sigma Xi, noon, 116 Deike Bldg. John Dutton on "Global Changes."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Chamber Singers.

Economics/Applied Workshop, 2:30 p.m., 420 Kern. Tim Hyman on "A Direct Empirical Test of the Case Theorem."

Center for Women Studies, 4 p.m., HUB Gallery. Estela Benidoni on "Engendering the Discourse of Academic Management and Leadership."

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Interview with Alfonso Lingis.

Puerto Rican Student Association, 7 p.m., 71 Wilard Bldg. Edgar deJesus on "The New Face of the Labor Movement."

Women in Architecture, 7 p.m., 112 Walker Bldg. Donna Setene Seitel, speaker.

Friday, November 18  
Benefits Open House, 8 a.m.-4:30 p.m., HUB Fishbowl.

Puerto Rican Student Association, 11:30 a.m., Paul Robeson Cultural Center. Musical Presentation: Dante.

Puerto Rican Food Festival, noon, Paul Robeson Cultural Center.

Gallery Talk, 2 p.m., Christofers Lobby, Palmer Museum. Jennifer Olson on "American Painting at the Palmer."

■ **Graphic Arts** Coffee Hour, 4 p.m., 319 Walker Bldg. Barry Volpert on "Volcanoes Erupting in Java."

University Resident Theatre Company, 8 p.m., Pavilion Theatre. "Game of Love and Chance." Through Dec. 8. Tickets required, call 863-0255.

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. Frank Morgan, alto saxophone, and Kenny Burrell, guitar. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. "Opera Intermzzo." Also, Nov. 18.

Shaver's Creek, 7 p.m., "Walt When the Moon is Full." Call 863-2000.

Saturday, November 19  
Office for Minority Faculty Development Workshop, 9 a.m., 114 Kern. Robert A. Kilborn on "External Funding." For reservations, call 863-1163.

Gallery Talk, 11:30 a.m., Christofers Lobby, Palmer Museum. Debra Greenleaf on "Classicism, Imperialism and Paganism: Ancient Art at the Palmer Museum."

Minority Theatre Workshop, 7 p.m., Paul Robeson Cultural Center. Performance of Musical. Also Nov. 20.

Shaver's Creek, 7 p.m., "Owl Prowl." Call 863-2000.

School of Music, 8 p.m., Eisenhower Auditorium. Bandastra 34. Tickets required, call 863-0255.

Sunday, November 20  
School of Music, 8 p.m., Recital Hall. Penn State Low Brass Ensemble/University Brass.

Monday, November 21  
Comparative Literature Luncheon, 12:15 p.m., 101 Kern. Derek Pearsall on "The New Historicism: Are We All For It?"

Thursday, November 22  
Inventions, 7 p.m., Conference Room, Paul

Robeson Cultural Center. Film. Liberty. School of Music, 8 p.m., Recital Hall. Richard Kennedy, tenor.

Thursday, November 24  
Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Review of *The Hungry Soul: Eating and The Perfecting of Our Nature*. Anthropologist Susan Toby Evans, guest reviewer.

Friday, November 25  
Shaver's Creek Environmental Center and Gift Shop Open House, 10 a.m.-3 p.m. Through Nov. 26. Call 863-2000.

Sunday, November 27  
Hanukkah, through Nov. 28.

Monday, November 28  
Comparative Literature Luncheon, 12:15, 101 Kern. Daniel Gerould, speaker.

Tuesday, November 29  
Continuing and Distance Education/COI, 12:45 p.m., Penn State Scanticon. Teleconference titled "Increasing Quality Performance with Principle-Centered Leadership." To register, call Tiffany Shultz at 863-0229.

Art History, 8 p.m., Palmer Union Auditorium. Martin Kemp on "Your Humble Servant and Painter: Toward a Social History of Leonardo da Vinci."

Wednesday, November 30  
Center for Women Studies, noon, 120 Boucke Bldg. Mary T. Franks on "Issues of Women with Disabilities."

Thursday, December 1  
Sigma Xi, noon, 101 Kern. Susan Brantley on "Volcanoes: Earth's Natural Politicians."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Bassoon Band and Double Reed Ensemble.

Engineering/Bowers Program lecture, 7:30 p.m., Assembly Room, Nitany Lion Inn. Gregory Holtschlag on "his firm's recent work and the unique feature of the firm's management style."

University Resident Theatre Company, 8 p.m., Pavilion Theatre. Through Dec. 3. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Jazz II & III.

Friday, December 2  
Gallery Talk, 2:45 p.m., Christofers Lobby, Palmer Museum. Debra Greenleaf on "Classicism, Imperialism and Paganism: Ancient Art at the Palmer Museum."

■ **Graphic Arts** Coffee Hour, 4 p.m., 319 Walker Bldg. Thomas H. Eghy on "Central Asia: Reaching Out to the World Again."

■ **Women in Architecture**, 6 p.m., 112 Walker Bldg. Felecia Davis on "The African Burial Ground."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. The Nutcracker. Tickets required, call 863-0255. Through Dec. 3.

Speech Communication, 8 p.m., 101 Kern. Tony Lentz performing his two-hour reading of Charles Dickens' "A Christmas Carol."

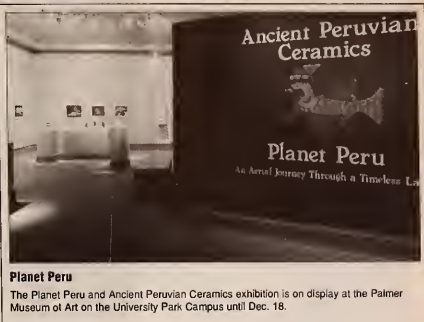
Also Saturday, Dec. 3.

Saturday, December 3  
Film: Plunder, 1 p.m., Palmer Union Auditorium.

Film: Discovering the Moche: The Forgotten Art of Chanay, 2 p.m., Palmer Union Auditorium.

School of Music, 8 p.m., Recital Hall. Singing Lions. Tickets required, call 863-0431.

Sunday, December 4  
School of Music, 4 p.m., Eisenhower Auditorium. Winterfest: School of Music Choral Ensembles. Tickets required, call 863-0255.



**Ancient Peruvian Ceramics**  
*An Aerial Journey Through a Timeless Land*

**Planet Peru**  
The Planet Peru and Ancient Peruvian Ceramics exhibition is on display at the Palmer Museum of Art on the University Park Campus until Dec. 18.

## PUBLIC RADIO

### WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McPartland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

### Thursday, November 17

Ceramic Science, 11 a.m., 301 Stelcde. Ronald J. Kerans on "Progress in the Design and Development of Oxidation Resistant Interfaces for Ceramic Composites."

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Jose Antonio Zapata on "Latitude Gravity SO (1,3) Gauge Group."

Physics, 3:30 p.m., 101 Osmund Lab. Jack Sandweiss on "Strange Quark Matter - Theory and Experiment."

University Libraries, 6:30 p.m., 102 Classroom Bldg. Introduction to the World Wide Web.

Must attend InterNews seminar first. Registration required, call Joyce Combs at 863-0325.

### Friday, November 18

Entomology, 11 a.m., 101 ASI Bldg. Doug Doughty on "Gypsy Moth Nucleus Polyhedrosis Virus Mechanisms...Fluorescent Brightener - Baculovirus Interactions, in Vivo and in Vitro."

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam Bldg. DIP Abreu on "Reputation and Bargaining."

School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Jay Stauffer on "Biodiversity of Lake Malawi Fishes."

Economics, 3:30 p.m., 413 Kern. James D. Rodgers on "The Insurance Principle as a Guide to Optimal Compensation for Personal Injury or Death."

### Monday, November 21

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmund lab. Troy

Schilling on "Non-covariance of the Generalized Holonomies."

Condensed Matter, 3:30 p.m., 339 Davey Lab. Myrman Sarachik on "Hopping Conduction in Doped Semiconductors."

### Tuesday, November 22

Chemical Engineering, 3 p.m., 140 Fenske Lab. Abay L. Lloyd on "The Small Scale Industry Business-Problems and Opportunities."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Regina Vaslatos-Younken on "Regulation of Avian Growth Hormone Action."

Outstanding Women in Geosciences, 4 p.m., 25 Hester Bldg. Kathy Cashman on "Magmatic Vesiculation and Volcanic Eruptions."

### Monday, November 28

Condensed Matter, 3:30 p.m., 339 Davey Lab. Russell Messier on "Cubic Boron Nitride: Sister of Diamond."

Plant Pathology, 3:30 p.m., 110 Wartik Lab. Michael Nicholson on "RFLP Analysis of Ribosomal DNA for Phylogenetic Influence and Mapping of the Commercial Mushroom Shitake, and other Lentinula Species."

### Tuesday, November 29

Chemistry, 3:30 p.m., SS Osmund Lab. Veronica Vada on "The reactivity in the Gas Condensed Phase and the Atmosphere."

### Wednesday, November 30

Gerontology, noon, 101 H&H Bldg. East. Cheryl Deslandes on "Decisional Capacity in Older Adults: Clinical and Research Considerations."

Engineering Science & Mechanics, 3:35 p.m., 189 Materials Research Lab. Russell Messier on "Activities of Thin Film Laboratory."

Biotechnology Institute, 3:45 p.m., 110 Wartik. Janet McFall on "MRI of Plant Root Growth and Architecture."

### Thursday, December 1

Physics, 3:30 p.m., 101 Osmund Lab. Elhu Abrahams on "The Modern Many Body Problem."

### Friday, December 2

Entomology, 11 a.m., 101 ASI Bldg. Eric Sachs, speaker.

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam Bldg. Pino

## Calendar

continued from page 7

Lomopo on "English Auctions."

### CONFERENCES

**Monday, November 21**  
All College Conference, 300 attendees, Penn State Scamilton. Through Nov. 22.

### EXHIBITS

**HUB Browsing Gallery:**  
Ann Barton's Gulls, through Dec. 11.

**Kern Art Gallery:**  
The Flat Cases will feature Denise Arie's jewelry, through Dec. 15.

**Lending Services Gallery:**  
"Approaching Threshold," paintings by Bill Stamos, through Nov. 30.

**Palmer Museum:**  
"Double Plots: Installation by Mary Ellen Carroll," through Dec. 11.

■ "Planet Purr: An Aerial Journey Through a Timeless Land," through Dec. 18.

■ "Ancient Peruvian Ceramics," through Dec. 18.

■ "Gifts to Celebrate the New Museum," through Jan. 22.

**Petterson Undergraduate Gallery:**  
Ryan Kerrigan, printmaking. Through Nov. 25.

Chris Boswell, photography. Dec. 1 through Dec. 9.

**Palmer Lobby:**  
Original cartoon art work from the Fred Waring Collection, through Jan. 4.

**Rare Books Room:**  
Illustrated books from the 18th Century. Through Dec. 23.

**Zoller Gallery:**  
School of Visual Arts Faculty Exhibition. Through Dec. 6.  
Master of Fine Arts Thesis Exhibition. Dec. 3 through Dec. 9.

■ Reflects an international perspective

### TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## Gearhart

continued from page 4

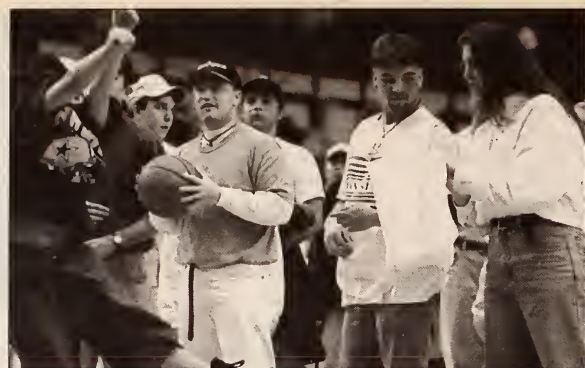
Dr. Gearhart usually begins his days at 5 A.M. — on the treadmill in his basement.

"I use the time," he notes, "to catch up on programs I've recorded on our VCR. That's when I'm in town. I try to arrange my calendar so that my travel days are clustered mid-week, but, of course, that isn't always possible."

Despite his schedule, he manages to find time for community and business activities. He is on the board of trustees of The Second Mile, is serving as the 1994 Penn State United Way Chairman and has just joined the board of directors of Uni-Mart's, Inc.

"If I have any regrets in my job," he concludes, "it's the amount of time I have to spend away from my family. My wife, Jane, has had to take on much of the responsibility for raising our two children, Katy, who is 15, and Brock, who's 12.

"So that made me feel a lot better when someone asked Brock recently what he wanted to be when he grew up, and he said, 'a university fund raiser.'"



### Taking their best shot

Students step up to the line during a halftime shoot out at the Blue White Game held in Recreation Building. The event, part of the United Way Student Campaign, raised approximately \$1,800 for the United Way.

Photo: Steve Tressler

## News in Brief

### Bowers Program lecture

Gregory Hotkinson, a principal in Ove Arup & Partners of New York, will present the third Bowers Program lecture at 7:30 p.m. Thursday, Dec. 1, in the Assembly Room of the Nittany Lion Inn at University Park.

He will speak on his firm's recent work and the unique features of the firm's management style.

The lecture is part of a series sponsored by the Raymond A. Bowers Program for Excellence in Design and Construction of the Built Environment, based in the College of Engineering.

Founded and endowed by Ray Bowers, a Penn State Distinguished Alumnus, the interdisciplinary program works to integrate the experiences and education of students in architectural engineering, architecture, and landscape architecture.

### Intercom copy

Because of a heavy influx of copy, information for inclusion in the *Penn State Intercom* should be forwarded to the *Intercom* office, 312 Old Main by e-mail or disk. The e-mail address is kn1@psu.edu. Deadline for *Intercom* is always noon on Wednesday one week before the Thursday publication date. The last issue of Fall Semester will be Dec. 1. Deadline for copy is noon, Wednesday, Nov. 23. For a schedule of publication dates for the year, contact the Department of Public Information at 865-5177.

### Chaucer biographer to visit

Derek A. Pearsall, Gurney Professor of English at Harvard University, will visit University Park Nov. 19-21 and present two public lectures.

He will speak on "Strangers in Late Fourteenth-Century London" at 7:30 p.m. Sunday, Nov. 20, in 102 Weaver Building. He will discuss "The New Historicism: Are We All For It?" at the Comparative Literature Department Lecture Luncheon Series at 12:20 p.m. Monday, Nov. 21, in 101 Kern. Both talks are free to the public.

Dr. Pearsall is one of the most prolific critics in the field of medieval literature and has written numerous

books and articles on Chaucer and his contemporaries. His visit is sponsored by the Institute for the Arts and Humanistic Studies, Department of English, and Department of Comparative Literature.

### Science writers lunch

Deb Ream, editor of the *Penn State* magazine, and Gigi Marino, associate editor, will lead the roundtable discussion at the Penn State Chapter of the National Association of Science Writers luncheon meeting at noon Nov. 30, in 114 Kern Building.

Ms. Ream and Ms. Marino will discuss their redesign of the *Penn State* and the magazine's new "Research and Discovery" section.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. This year marks the chapter's fifth anniversary.

The brown bag luncheon roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-9481.

### Day Without Art

Can you visualize a world without color...can you imagine a world without light...without imagination...without art? A Day Without Art, which coincides with World AIDS Day, and pays tribute to artists who have both died of AIDS and are living with HIV/AIDS, is scheduled Dec. 1 on the University Park Campus.

University Health Services, the galleries in the Hetzel Union Building, Kern Building and the Paul Robeson Cultural Center, as well as the Palmer Museum of Art invite those who have art exhibited anywhere on campus to participate by placing specially designed cards on their artwork, or replacing the artwork with a poster. Information on HIV/AIDS also is available for distribution.

Interested students, faculty, and staff are encouraged to call the Office of Health Promotion and Education, University Health Services (814) 863-0461 or the HUB and Kern Art Galleries (814) 865-2563, for cards and posters or for additional information.



## Penn Staters

**T. Brooke Benjamin**, Sedleian Professor of natural philosophy at the University of Oxford, Oxford, England, and adjunct professor in the Department of Mathematics, has been named an honorary member of the American Society of Mechanical Engineers for his "major theoretical and experimental contributions to diverse areas of fluid mechanics, establishing him as one of the great fluid dynamicists of this century."

**Jim Brucker**, director of development at The Hershey Medical Center, has been named chair of the Group on Institutional Advancement of the Association of American Medical Colleges.

**Austin J. Jaffe**, Philip H. Sieg Professor of business administration, presented two research seminars—"Taking Legal (and Other) Institutions Seriously" at the International Real Estate Research and "The Future of Real Estate Research"—at the National University of Singapore, and spoke on "Trends in Real Estate Education and Research" at the University of Technology in Malaysia. He also presented a paper on "Property Rights in Housing in the Baltic States" at the International Housing Research Conference in Glasgow, Scotland.

**Henry W. Johnstone Jr.**, professor emeritus of philosophy and classics, has received the Distinguished Research Award 1992 for a body of work of major significance to the study of argumentation from the International Society for the Study of Argumentation.

**Sridhar Komarneni**, professor of clay mineralogy in the Intercollegiate Materials Research Laboratory and Department of Agronomy, gave an invited talk, titled "Environmentally Benign Microwave Hydrothermal Processing for Synthesis of Ceramic Powders," at the International Symposium on Environmental Issues of Ceramics in Sapporo, Japan. He also gave an invited talk on "Solution-Sol-Gel Processing of Electroceramic Films, Fibers and Powders" at a special meeting of the Japan Materials Research Society in Tokyo.

**Bohdan T. Kulakowski**, professor of mechanical engineering and director of the Pennsylvania Transportation Institute, presented an invited paper titled "Pavement Damage—Who's Fault Is It Really?" at the Third International Conference on Traffic Effects on Structures and Environment in The High Tatras, Slovakia.

**Shiriki Kumanyika**, professor of epidemiology in the Center for Biostatistics and Epidemiology at College of Medicine, has been appointed to the Department of Health and Human Services (HHS) and the Department of Agriculture's Dietary Guidelines Advisory Committee.

**Robert LaPorte Jr.**, professor of public administration and political science in the Department of Political Science, has been elected chair of the Board of Trustees of the Public Administration Service, a non-profit consulting firm, whose clients include U.S. government agencies, state and local governments, and international organizations.

**Joseph H. MacNeil**, professor of food science in the College of Agricultural Sciences, presented a paper at the International Egg Commission annual meeting in Brisbane, Australia. He also was a visiting professor at the University of Western Sydney and gave a series of seminars on his vacuum concentration research on liquid egg.

**Dee McGonigle**, assistant professor of nursing at the Penn State New Kensington Campus, made two presentations at the Fifth International Conference on Nursing Use of Computers and Information Science. She spoke on "A Qualitative Look at Interactive Video from the Nursing Student's Perspective" and "Perinatal Family Care: A Learning Module on Intrapartum Nursing Care."

**Londa Schiebinger**, professor of European history and women's studies, has won the Ludwik Fleck prize for the best book in the area of science studies from the Society for Social Studies of Science for *Nature's Body/Gender in the Making of Modern Science*. She also won the 1994 Women in the History of Science Prize from the History of Science Society for her article, "Why Mammals are Called Mammals: Gender Politics in Eighteenth Century Natural History" in *The American Historical Review*.

**Abdullah Yavas**, assistant professor of business administration, delivered a paper titled "A Comparison of Real Estate Marketing Systems: Theory and Evidence" at the European Network for Housing Research Conference in Glasgow, Scotland, and a paper titled "Abreu-Matsushima Mechanisms: Experimental Evidence" in Maastricht, The Netherlands.

## Appointment

**Kathryn Watson** has been appointed director of student affairs at the Penn State Shenango Campus.

Ms. Watson joined the Shenango Campus staff in April, 1977 as assistant to the director of student affairs. In 1987, she was promoted to admissions officer, and most recently held the position of coordinator of student activities. Before coming to the Shenango Campus, she worked at the Youngstown Area Urban League as director of the Affirmative Action in Education program.

Ms. Watson graduated from Youngstown State University in 1973 with a bachelor's degree in psychology and in 1974 with a master's degree in guidance and counseling.

## 25-year Awards



Observing 25 years at the University are, from left, Nathan L. Hartwig, professor of weed science; Lynn D. Hoffman, senior research associate in agronomy; and Robert B. Lewis, professor of 4-H Youth, all in the College of Agricultural Sciences.



Observing 25 years at the University are, from left, Larry H. McCormick, professor of forest resources; J. Lee Miller, county extension director and agriculture agent in Beaver County; and Richard Scholz, professor of veterinary science, all in the College of Agricultural Sciences.



Observing 25 years at the University are, from left, Terrance Simpson, horticulture technician; Ward Sludebaker, manager of the Equine Center; and Richard Williams, research assistant in agronomy, all in the College of Agricultural Sciences.



Observing 25 years at the University are, from left, Charles Jones, preventive maintenance worker (mechanical and plumbing); Office of Physical Plant; David T. Wilson, Alvin H. Clemens Professor of entrepreneurial studies and managing director of the Institute for the Study of Business Markets, in The Small College of Business Administration.

## Faculty / Staff Alerts

### Withholding on non-overnight travel

Amounts associated with non-overnight travel meal reimbursements are taxable fringe benefits and are included on employees' W2 forms. In order to comply with IRS regulations, the University will withhold Federal Income, FICA (Social Security) and Medicare taxes from these taxable fringe benefits on either the last pay in November for employees paid bi-weekly or on November's pay for employees paid monthly.

The taxable fringe on these meals is accumulated Nov. 1 of the previous year, through Oct. 31, of the tax year. This method is approved by the IRS and is referred to as the "Special Accounting Rule for Fringe Benefits Provided During November and December." If you have any questions, or need additional information, please contact the Payroll Office at (814) 865-7621.

### W-2 forms

Tax time is quickly approaching. In order to insure there are no problems with you receiving your W-2 in a timely fashion, the Payroll Office would like to remind you to check and make sure that you have the correct address on file.

If your payroll check is direct deposited, your W-2 will be mailed to the office address shown on your deposit slip. If your payroll check is not deposited, the W-2 will be mailed to the address shown on the payroll check. If you need to make a change, please submit a new W-4 card and/or office address change as soon as possible.

### Library hours

In observance of the Thanksgiving holiday, Pattee Library and the Architecture, Earth and Mineral Sciences, Education, Engineering, Mathematics, and Physical Sciences libraries on the University Park campus will close at 5 p.m. Wednesday, Nov. 23, and remain closed on Thursday, Nov. 24.

On Friday, Nov. 25, and Saturday, Nov. 26, the libraries will be open 8 a.m. to 5 p.m. The regular schedule for library hours will resume on Sunday, Nov. 27. In addition, the Music Listening Room located in Pattee Library will be closed on Friday, Nov. 25, and Saturday, Nov. 26.

Pollock Library will be closed Wednesday, Nov. 23, through Saturday, Nov. 26, and will resume 24-hour service at noon Sunday, Nov. 27.

### First aid kits

University personnel are being encouraged to check the first aid kits in their facilities to be certain that they are in proper condition.

"University policy (5421) states that the first aid kits should be inspected quarterly and restocked in a timely fashion," Police Service Officer Robert Bennett said. "The policy has a recommended list of contents for the kits. They should be checked and, if there is a problem, the safety officer in the unit should be contacted for restocking. University funds can be utilized for the purchase of supplies."

During the summer, Officer Bennett conducted random inspection of the first aid kits for the Department

of Environmental Health and Safety.

"We wanted to determine compliance with University policy and develop an understanding of the policy by faculty and staff," he said.

In his inspection, he found the kits in a wide range of condition, including several that were empty, some with both oral and topical medication which are forbidden because of the legal implications for the University and the staff member using them.

"We also found a lack of knowledge about the first aid kits. Employees didn't know if they existed, where they were located, and if anyone ever checked at them."

"We encourage University personnel to locate the first aid kits in their areas, check them, and if there is a problem or supplies are needed, contact their supervisor or safety officer using them."

First aid kits are not intended to be used to store personal medications or supplies, but rather supplies for self treatment of minor injuries and/or supplies that will be used for major injuries until help arrives, which in most locations is five to ten minutes and less in many locations.

Current Standards of Care include three steps: Check for victim(s); Call 911 or the emergency telephone number; care for victim(s) until help arrives.

At University Park, Altoona, Berthoud, and Penn State Harrisburg, police officers are trained as Emergency Responders and attempts to upgrade all Commonwealth Campus officers is being planned.

If you need (new) 911 posters, additional information, or assistance, contact Robert Bennett, Police Services at 863-1111 or Curt Speaker, E.H. & H. at 865-6391.

### Tax reminder

All non-resident aliens claiming exemption from federal tax based on a tax treaty need to complete IRS Form 8233 each tax year. A copy of the 8233 or IAP-66 (whichever is applicable), plus a copy of the "Revenue Procedure 87-9" (for lecturers, researchers, or teachers) or "Revenue Procedure 87-8" (for students, trainees, or grad assistants) both need to be attached to the IRS Form 8233.

The forms can be obtained from either the Payroll Office (307 Rider Building), or the Office of International Students (222 BOAC Building). These forms must be completed and received by the Payroll Office, 307 Rider Building, by Dec. 5. Failure to do so may cause you to be taxed incorrectly during the 1995 tax year.

If you have additional questions, contact the Payroll Office at (814) 865-7621.

### Weight Watchers holiday series

A special seven-session series of the Weight Watchers AT WORK program will begin on Wednesday, Nov. 23 — the day before Thanksgiving — at University Park Campus. This series will be specifically aimed at helping members eat healthfully through the holidays, while still enjoying the festivities, and start the new year on a positive note. Both new and continuing Weight Watchers members are invited to participate.

The group will meet on Wednesdays from Nov. 23

through Jan. 11, 1995 (except Dec. 28) from noon to 1 p.m. in the Paul Robeson Cultural Center auditorium. The cost of the series is \$70 (Life Members \$63), which may be paid by cash, check, VISA or MasterCard with a single payment or split payments. A new 10-week spring series will begin on January 18, 1995.

People enrolled in the HealthAmerica HMO may be eligible for reimbursement for personal costs of the Weight Watchers program, according to guidelines described in the HealthAmerica Plus Services booklet. For information about reimbursement, call HealthAmerica at 231-8970.

To register for the Weight Watchers Holiday Series, call the Faculty/Staff Health Promotion Office at 865-3085 or send e-mail to Jan Hawbaker at JQH3@psu.edu or JQH3@cas.psu.edu. Include your name, Penn State ID number, campus address and phone, and indicate the method of payment you will use.

### HRDC courses

The Human Resource Development Center is offering the following courses. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of HRDC course catalog.

**Interpersonal Skills for Managers LDR 003** Topics discussed are fundamental skills of managing and communicating with people, developing performance standards, improving employee work habits, and implementing change. Meets Mondays and Thursdays, Dec. 5-22, 1:15 to 4:45 p.m., 319 Rider; cost: \$195.

**Resume Preparation CAR 002** Provides participants with information and techniques on how to prepare resumes and cover letters. Meets Tuesday, Dec. 6, 1:15 to 4:30 p.m., 319 Rider; cost: none.

**Defensive Driving-A WEL 002** Participants will learn to follow safe driving skills, cope with other drivers' actions effectively, and apply cost-saving techniques. Meets Tuesday, Dec. 6, 8:30 a.m. to noon, 319 Rider; cost: none.

**Career Planning CAR 001** Will help participants to develop an organized picture of self, gain information on the structure of the world of work, identify and explore career opportunities, and create an action plan for career development. Meets Tuesdays, Dec. 6 and 13, 8:30 to 11:45 a.m., 39 McAllister; cost: \$20.

**Assertiveness Skills Workshop COM 001** Will focus on the development of positive assertive behavior. Meets Wednesday, Dec. 7, 9 a.m. to 4 p.m., 319 Rider; cost: \$55.

**Applying Quality Principles in Daily Work CQI 002** Will provide the skills necessary to improve daily work processes. Meets Friday, Dec. 9, 8:30 a.m. to noon, 319 Rider; cost: none.

**Tools and Techniques for Managing Projects PRO 032** Provides participants with the knowledge and tools necessary to successfully manage technical projects. Meets Tuesday, Dec. 13, 9 a.m. to 4 p.m., 319 Rider; cost: \$55.

## Nominations for numerous awards sought by Jan. 13

Nominations are being sought for the President's Awards—Ralph Dorn Hetzel Memorial Award, John W. Oswald Award, Eric A. Walker Award, and the Graduate Student Service Award.

Recipients will be selected by a committee composed of representatives from Student Affairs, the Faculty Senate and the student body. It is chaired by Thomas G. Poole, director of the Center for Ethics and Religious Affairs.

—The Hetzel Award recognizes the achievements and potential of outstanding undergraduate students who have demonstrated the qualities of responsible leadership during their college careers and give promise of public spirited achievement in the future.

—The Oswald Award recognizes those graduating seniors who have provided outstanding leadership in at

least one of the following areas of activity: scholarship; athletics; social services; religious activities and student government; journalism, speech and the mass media; creative and performing arts.

—The Walker Award recognizes a senior student whose activities and achievements have enhanced the public esteem and renown of The Pennsylvania State University.

—The Graduate Student Award

recognizes the graduate student who has best combined high academic achievement with leadership in University or other public activities.

Applications are available at HUB/Kern desk or 106 Eisenhower Chapel at University Park. Nominations are due Jan. 13 in the Center for Ethics and Religious Affairs, 106 Eisenhower Chapel.



## A "no-praise" tactic has drawbacks

*Study shows that managers could be hindering long-term performance*

**S**ome managers think that praise won't make salespeople who thrive on stress work any harder — and they're right, according to a Penn State and University of Florida survey.

However, failure to praise some salespeople can cause bigger problems in other motivational areas, the survey findings show.

"In sales, it appears that the development of hard-working, or performance-oriented, skills depends on a negative environment — on a 'kick-in-the-pants' style of workplace," Harish Sujan, associate professor of marketing, said.

"But managers' emphasis on short-term goals means they seldom attempt

**"Managers' emphasis on short-term goals means they seldom attempt to foster smart-working or learning-oriented skills that will benefit their salespersons' long-term performance."**

to foster smart-working or learning-oriented skills that will benefit their salespersons' long-term performance."

Dr. Sujan and two colleagues surveyed 190 salespeople — 148 males and 42 females — in eight firms from industries as diverse as health care and broadcasting. On average, the respondents had nine years of sales experience, made 35 sales calls per day, and worked 53 hours per week.

Measurements taken through the survey included each salesperson's levels of self-confidence and planning, and persistence in job-related activities. The respondents also estimated the amounts of positive and negative feedback they received from their supervisors.

"We found that a smart-working orientation can be raised by both positive and negative feedback, but that positive feedback only works to this end on salespeople low in self-confidence," Dr. Sujan said. "The greater confidence some salespeople feel appears to free them from needing external encouragement."

"A hard-working orientation, on the other hand, was raised by negative feedback for both salespeople low and high in self-confidence, but was not affected by positive feedback."

The experts say that even salespeople with reduced confidence — who might otherwise feel helpless to demonstrate their ability — seem con-



Harish Sujan, associate professor of marketing in The Smeal College of Business Administration. Photo: Greg Grieco

pelled to react to negative feedback.

A paper describing the full survey results by Drs. Sujan, Barton A. Weitz, professor of marketing at the University of Florida, and Nirmalya Kumar, assistant professor of marketing at Penn State, appeared in the *Journal of Marketing*. The team's work was supported by Penn State's Institute for the Study of Business Markets and the University of Florida's Center for Retailing Education and Research.

The researchers point out that under a "working smart" orientation, salespeople enjoy the process of discovering how to sell effectively and are willing to experiment with new approaches. Under a "working hard" orientation, salespeople seek favorable evaluations of their skills from their managers and colleagues and are thus reluctant to experiment for fear of negative consequences.

"It should be obvious that enjoying work, welcoming challenges, and con-

sidering mistakes a part of the learning process are important for effective selling, but these traits are not emphasized in either sales management practice or theory," Dr. Sujan, who has studied sales techniques for more than a decade, said.

Similarly, he notes that many sales managers continue to emphasize the demonstration of ability among salespeople who lack confidence in their abilities, despite overwhelming evidence that this can freeze achievement levels.

"Many motivational deficits among salespeople are falsely labeled ability deficits," Dr. Sujan said. "Based on our survey, we suggest that a shift in managerial focus is the way out of this trap. Rather than evaluating salespeople on ability and performance alone, it is important to evaluate them on a motivation to learn, too."

— Gary Cramer

## Research



Not in  
my  
Backyard

Facilities, such as incinerators, that are deemed undesirable in residential areas have effects on nearby housing prices and appreciation rates that begin with groundbreaking and persist longer than experts previously thought.

A recent study of a community near Boston by Penn State and Northeastern University, reveals that home buyers paid an average \$8,100 more per mile to live farther from a new incinerator as early as during its construction.

"Even after the incinerator had been in operation for four years, buyers paid an average of more than \$6,600 more per mile to be away from it, yet still within the otherwise attractive community," Katherine T. McClain, assistant professor of mineral economics in the College of Earth and Mineral Sciences, said.

"The longevity of the premium indicates that either the incinerator is viewed as a permanent disamenity or full adjustment takes longer than previously thought," she said. "Either possibility suggests that public policy changes may be in order when citizens demand compensation for the costs they bear as local hosts of undesirable facilities."

## Job Mismatch

**J**ob mismatch — being overeducated for a job — is more likely to be a problem for Asian Americans than White Americans, according to two University researchers.

"A certain segment of White Americans lack training and skills to rise above low-paying service sector jobs," Gordon F. DeJong, Distinguished Professor of Sociology, said. "Many Asian Americans can have the opposite problem. They have the education and skills but lack suitable career opportunities, with the result that they are frequently mismatched for their jobs."

Dr. DeJong, along with Anna B. Madacamb, doctoral student in the dual program of sociology and demography, found that Asian American immigrants with college degrees already in hand are especially likely to end up with jobs beneath their capabilities, even if they are fluent in English. Job-mismatched Asians average five years of schooling beyond their high school education.

Dr. DeJong said that U.S. loss of manufacturing jobs and the overall deindustrialization in this country have led to an increase in service or retail jobs that do not require extensive education.

In addition, Dr. DeJong said that "the increased number of college graduates, coupled with the shortage of entry-level jobs due to the baby-boom squeeze, has produced a pool of workers willing to settle for whatever job they can get."

## BOOK SHELF

The third edition of *Fundamentals of Real Estate Investment*, co-authored by Smeal College faculty member Austin J. Jaffe, is being released by Prentice Hall.

Written with C.F. Simans of the University of Connecticut, this latest version of the textbook captures recently emerging trends computerized in real estate investment valuation, tax laws and regulations, and other key issues. The book also incorporates numerous new examples and illustrations, and includes more hands-on problem solving opportunities for students.

Dr. Jaffe, Philip H. Sieg Professor of business administration, is a member of The Smeal College's Department of Insurance and Real Estate and the research director of the Institute for Real Estate Studies.

Gary N. Knoppers, associate professor of religious studies and Jewish studies, is the author of *Two Nations Under God: The Deuteronomistic History of Solomon and the Dual Monarchies*; vol. 2: *The Reign of Jeroboam, the Fall of Israel, and the Reign of Josiah* (Harvard Semitic Monographs 53; Atlanta: Scholars Press).

This study employs an interdisciplinary approach to shed light on the apparently disproportionate attention the Deuteronomist (the author of the biblical books of Joshua through 2 Kings) devotes to (northern) Israelite history and Israelite-Judahite relations.

Dr. Knoppers argues that the Deuteronomist constructs an complex correspondence between the early and late periods of the Hebrew kingdoms, portraying the sins of Jeroboam, the prophecies against Jeroboam, and the fall of Jeroboam to anticipate and justify the demise of Israel and the reforms of Josiah two and three centuries later.

Analysis of this literary frame explains both the paradoxical nature of the Deuteronomist's commentary on Israel's demise—how Jeroboam's sins endure in spite of this catastrophe—and the retrospective focus of Josiah's reign—how Josiah redresses the failings of the united monarchy and early divided monarchy.

The study also shows how the Deuteronomist has a stake in both distancing the fate of Israel from that of Judah and in maintaining ties that

bind the twelve tribes. The book concludes that the Deuteronomistic History of the monarchy addresses dominant concerns of the late preexile period (ca. 722-610 BCE) and defends the powers of Davidic kingship while, at the same time, freely acknowledging its shortcomings.

The second, revised edition of the classic text and reference book *Powder Metallurgy Science* by Rand German, holder of the Brush Chair in Materials, is now available.

First published in 1984, the book is recognized as the definitive text and reference source on the science and technology of powder metals technology. Dr. German covers the fundamental aspects of the technology in eleven chapters.

The topics include powder characterization and fabrication, microstructure control in powders, shaping and compaction, sintering, full density processing and finishing. He concludes with a chapter on properties and applications. Appendices catalog powder metallurgy terms, standards, material constants and properties as well as selected study questions.

The book is published by the Metal Powder Industries Federation.

Charles S. Prebish, associate professor of religious studies, is the author of *A Survey of Vinaya Literature*, appearing as the first volume of the Dharma Lamp Series, published by Jin Luen Publishing House in Taipei, Taiwan.

The volume, completed during Dr. Prebish's tenure as Numata Professor of Buddhist Studies at the University of Calgary in 1993, continues his quarter-century long investigation of the Indian Buddhist monastic tradition and its governing literature. In this study, he presents an extended explanation of the organizational structure of the system of monastic disciplinary literature, known as Vinaya, as well as a consideration of its application as an functional instrument designed to ensure the ethical propriety of the monks and nuns living in the monastic setting.

In addition, Dr. Prebish develops a classification methodology by which it is possible to categorize all literature in this area by sect, text type, and primary language. He includes a survey of all primary texts in Sanskrit, Pali, Chinese, and Tibetan, as well as Western language translations of these texts in English, French, German, Italian, and Japanese. The survey also identifies a majority of the secondary literature in this area.

Following the body of the volume, author, article title, and book title indexes are provided, along with indexes for Sanskrit, Pali, Chinese, and Tibetan text titles.

## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Pittman honored

Penn State cornerback Tony Pittman has been chosen as one of 15 football players to receive a National Football Foundation and College Hall of Fame Scholar-Athlete award. He will receive \$18,000 from the Foundation to fund postgraduate study. He and the other honorees will be presented at the Foundation's Awards Dinner on December 6th at the Waldorf-Astoria Hotel in New York City.

He is the 11th Nittany Lion to be honored by the Foundation and the first since defensive tackle Matt Johnson in 1987. Mr. Pittman carries a 3.57 grade-point-average in industrial engineering and is a strong candidate for the GTE Academic All-American team. He started each of the first six games of the season and was credited with 18 tackles, an interception and caused one fumble.

A three-year letterman, he has an Academic All-Big Ten selection a year ago and has been on the Dean's List in six of eight semesters. He is a member of Alpha Pi Mu industrial engineering honorary and the Golden Key National Honor Society. He has been an IBM Corporate Scholar the past three years. Tony is the son of Charlie Pittman, who led Penn State in rushing in 1967-69 and was an All-American selection as a senior. Charlie was an Academic All-America choice in 1969.

### Sports smorgasbord

There will be a sports smorgasbord for the Penn State fans the weekend of Nov. 25-27 when the Nittany Lions close out the football season by entertaining Michigan State on Saturday, Nov. 26. Kickoff time for the home finale has been set for 4 p.m. to accommodate a national telecast on ESPN. It is the ninth Penn State game to air on television this fall, a record for TV exposure in a season. The weekend will kick off on Friday when Coach Bruce Parkhill's men's basketball team hosts Mount St. Mary's in its season opener (7:30 p.m., Recreation Building). The Nittany Lions, with nine lettermen and four starters returning from the squad that finished tied for eighth in the Big Ten Conference a year ago, are poised to move up the conference ladder this winter.

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## PENNSTATE INTERCOM

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*Bringing back the beast*

## Penn State's mascot returns home as rare, historical specimen



Pennsylvania's only native mountain lion is in search of a home on the University Park Campus. Photo: Steve Tressler

**I**t took 41 years for the big cat to find its way home, but Penn State is now home to not only the Nittany Lion, but the only native Pennsylvania mountain lion from the state's original and now-extinct population.

"This specimen is as unique and significant to the history of the commonwealth as is William Penn's original deed to Penn's Forest," said Duane A. Schlitter, curator of mammals at the Carnegie Museum of Natural History in Pittsburgh. "The only other specimens of the Eastern mountain lion that exist are in the form of skulls or skins."

In a year when the Penn State Nittany Lions dominated their Big Ten opponents, the nearly 140-year-old specimen has returned to the University Park Campus after spending 18 years on exhibit at the Carnegie. The specimen, with its lips curled in a snarl over ferocious-looking, one-inch teeth, waited another two decades in museum storage before Penn State officials realized the big cat belonged to them.

For geneticists and researchers, the specimen could unlock clues about the Eastern mountain lion, which at one time ranged the eastern United States to western Montana, and parts of southeast Canada. Today, only about 30-50

See "Mountain lion" on page 3

## Grad student numbers climbing at University

An aggressive recruiting campaign and an ongoing process to improve graduate education processes have helped to boost Penn State's graduate student enrollment.

The Board of Trustees heard a graduate education report from David Shirley, senior vice president for research and graduate education, at its meeting Nov. 18 at University Park.

"The University saw a 9 percent increase in entering graduate students at University Park, from 1,561 in the Fall Semester 1993 to 1,703 in Fall 1994," Dr. Shirley said. "Overall graduate enrollment throughout the University rose from 10,337 to 10,513, an all-time high. I am especially pleased to report that minority graduate enrollment also has increased by 9 percent, continuing to fulfill Penn State's commitment to diversity."

"In addition, the University awarded 2,300 master's and doctoral degrees last year, up by 10 percent from earlier years."

This progress is important not only for the entire Penn State community but also for the Commonwealth, according to Dr. Shirley.

"The message is that if we are interested in economic development, we will maximize the 'value added' to our most important resource — our stu-

dents," he noted.

"Tomorrow's high-tech global society will require workers to have even

**Graduate student enrollment throughout the University rose to an all-time high**

higher levels of education just to obtain and keep their jobs.

"At Penn State, we're rightfully proud of our excellent undergraduates, many of whom go on to earn graduate degrees elsewhere. But unless we take in a similar number of graduate students with a good probability of settling in Pennsylvania, we are contributing to a brain drain from the Commonwealth."

A chart of average monthly earnings for Americans in 1990 showed those with master's and doctoral degrees have much larger average monthly earnings than people with bachelor's degrees and high school diplomas.

Another illustration of the value of graduate education was provided in a

See "Graduate" on page 6

## State releases \$15.8 million in telecommunications funds

Penn State will be able to connect every classroom, laboratory, and office at the University Park Campus to the information highway, thanks to \$15.8 million in telecommunications funds released by Gov. Robert P. Casey.

The funds also will allow other improvements to and expansions of the University's telecommunications infrastructure, such as improving network security, upgrading service to Commonwealth Campuses and off-campus users, and enhancing network management.

The \$15.8 million is part of the Commonwealth's 1994-95 capital appropriations legislation, which was approved by the state legislature and signed by Gov. Casey earlier this year. The release of the funds was announced Nov. 18 by President Thomas at the Board of Trustees meeting.

"I am extremely pleased that Gov. Casey has released the \$15.8 million in capital project funds for telecommunications improvements at Penn State," Dr. Thomas said. "The funds will continue Penn State's leadership on the information highway by improving the telecommunications infrastructure at University Park. They also will benefit our Commonwealth Educational System by enhancing the capacity to communicate with the Commonwealth Campuses, and by easing the demand on University resources targeted to telecommunications improvements at all Penn State locations."

President Thomas also thanked Trustee Richard Walsh, special assistant to Gov. Casey for telecommunications and technology systems, for the key role he played in obtaining the

See "Funds" on page 2

## DIVERSITY

# Events scheduled for Martin Luther King Jr. commemoration

Inspirational speaker, lawyer and community activist Patricia Russell-McCloud will be the Martin Luther King Commemoration speaker at 7:30 p.m. Monday, Jan. 16, in Eisenhower Auditorium on the University Park Campus.

Acclaimed as "powerful, motivational, articulate, humorous and unforgettable," Ms. Russell-McCloud's speeches have earned her the Elks Oratorical award and the respect of government corporations, school districts, colleges and universities throughout the United States, Caribbean and West Africa. Her May 14, 1980 speech, "If Not You-Who, If Not Now-When?" is recorded in the U.S. Congressional Record.

She is president of Russell-McCloud and Associates, a motivational speaking and training professional association based in Atlanta. A graduate of Howard University law school, she also has completed intensive study in law at Harvard University. She has served as chief, Complaints Branch of the Broadcast Bureau and was senior legal attorney for the Federal Communications Commission in Washington, D.C.

Ms. Russell-McCloud is certified to practice before the U.S. Supreme Court, District of Columbia and the Indiana

Bar Association. She has been honored by the National Association of State Universities and Land Grant Colleges, and the National Association for Equal Opportunity in Higher Education honored her as an outstanding alumna of Kentucky University.

She is a member of the board of The Links, Inc.; Georgia Association of Minority Entrepreneurs; and ACHOR, a center for the homeless. In addition, she is a member of numerous professional and civic organizations such as the National Bar Association, NAACP, National Urban League, Alpha Kappa Alpha Sorority and the American Methodist Episcopal Church.

The Martin Luther King commemoration activities at University Park, Jan. 16 through 21, will be centered around his messages of community, commitment and action, and will include a volunteer action fair, speakers and a community choir festival.

"We want to get the whole community involved this year," said James Stewart, vice president for educational equity and chair of the Martin Luther King Jr. Commemoration Planning Committee. "Last year we focused on the extraordinary times of Martin Luther King Jr., and now we think it's time for the Penn State community to

focus on actions that will bring caring communities."

Highlights of the week's activities, in addition to Ms. Russell-McCloud's public lecture, are:

■ Tuesday, Jan. 17, State College Borough Mayor Bill Welch will open the annual Volunteer Fair, sponsored by the Office of Student Activities, the AT&T Center for Service-Leadership and the Martin Luther King Jr. Planning Committee. More than 60 campus and community organizations and agencies have been invited to participate.

■ Saturday, Jan. 21, an afternoon community choir festival, including choral groups in the School of Music, high school choral students from State College, Bellefonte, Penns Valley and Bald Eagle Area schools and adult choir members from local churches.

■ Educational activities and photographic displays on campus and in area schools, showings of historical videos of Dr. King, and special town-gown volunteer activities also are planned throughout the week.

The Martin Luther King Jr. Planning Committee will distribute buttons and flyers in early January to encourage faculty, staff, students and area residents to participate.



**EVENT:** Martin Luther King Jr. Commemoration at University Park

**SPEAKER:** Patricia Russell-McCloud, inspirational speaker, lawyer and community activist

**DATE:** Monday, Jan. 16

**TIME:** 7:30 p.m., Eisenhower Auditorium.

## Gay, lesbian and bisexual alumni group forms

Penn State's gay, lesbian and bisexual alumni now have a forum of their own.

In October, the Lambda Alumni Interest Group was formed as an official group of the Alumni Association to lend support to current and former students who might otherwise become lost alumni.

"We have a lot of gay and lesbian grads out there who had a hard time while they were in school — before the University became more inclusive and accepting of gay and lesbian students," said Kyle Richards, an alumnus who has been working with the Alumni Association to get the Lambda group organized. "We want to get the word out that the climate at Penn State is changing, and that we want gay and lesbian alumni to get reconnected to the University."

The purpose of the Lambda group is to promote Penn State among prospective and current students, alumni and friends; promote the general welfare and self-affirmation of lesbian, gay and bisexual Penn State students and alumni, and to promote the interaction between and among lesbian, gay and bisexual alumni and students and their allies and friends.

"We had our first official event over Homecoming weekend — a tailgate during the Penn State-Ohio State game — and then a reception the fol-

lowing day at Eisenhower Chapel. With very little advance notice, we had 50 to 60 people join us, which was a great start," Mr. Richards said.

"Right now we have two acting

***We also want to help students deal with discrimination when they hit the work-force — we can offer advice on what to look for."***

Kyle Richards  
alumnus

co-chairs, Mark Shiner, a 1994 graduate from Pittsburgh, and Craig Waldo, a 1993 graduate who is now a doctoral student at the University of Illinois. We are now preparing ballots for a permanent board of directors, which will go out to our approximately 60 members around the first of the year. We also have about 100 affiliate members who have expressed interest in joining, but have not yet done so — we'll keep them up-to-date on the organization and hope that they will also join."

The group's long-range goals are to endow a scholarship for a student who actively combats homophobia and helps to improve the climate on campus for lesbian, gay and bisexual students, and to strengthen ties between alumni and students to help students with campus issues.

"We also want to help students deal with discrimination when they hit the work-force — we can offer advice on what to look out for. I think workplace counseling is going to be an important component of Lambda," Mr. Richards said.

Penn State has an established network of alumni interest groups, such as the Lion's Paw Alumni Society, the Lion Ambassador Alumni Society and the African American Alumni Interest Group formed last year.

"These are groups of alumni and friends of the University who have common interests arising from their University-recognized activities, common cultural interests or professional interests, and who support the mission of the University," Diane Ryan, assistant executive director of the Alumni Association, said. "We are very pleased that the Lambda Interest Group is now official, and that it is already attracting membership. Anyone who is interested in joining or learning more about Lambda can call Kyle Richards at (610) 863-7696."

## DIVERSITY BRIEF

Tickets are still available for the Multicultural Winter Festival, from 8 p.m. to midnight, Saturday, Dec. 10, at the Nittany Lion Inn at University Park. Tickets are \$15 per person with ethnic food, dancing, and music by Code Blue. No tickets will be sold at the door. Info: 865-1779. Commission for Diversity/Women of Color.

## Funds

continued from page 1

release of the funds.

J. Gary Augustson, executive director of computer and information systems, said the most significant item in the \$15.8 million project is the completion of computer cabling in all buildings at University Park. "Information outlets will become as ubiquitous as electrical outlets," he said.

The University also has requested an additional \$4.5 million for telecommunications programs in its 1995-96 appropriations request. The request was initially part of the University's 1994-95 state funding request, but it was not funded for that budget year.

The \$4.5 million operating monies would be used to upgrade Penn State's statewide network, which serves 26 University campuses; provide urgently needed increases in telecommunications staff and equipment; and improve and expand interactive video technology in order to meet escalating demands throughout the University.



## Mountain lion

continued from page 1

Eastern mountain lions occur in the wild, all in southern Florida.

For historians, the 150-pound male specimen is another link to the past and a glimpse at the taxidermy techniques of the 1800s. But for Penn State fans, the bedraggled mountain lion that found its way home after spending decades in Pitt Panther territory is a symbol of pride and endurance.

"This mountain lion, also known as a cougar, panther or puma, is a preserved specimen from when mountain lions occurred naturally in the state. That ended about 1871," Richard Yahner, professor of wildlife conservation and the driving force behind the lion's belated homecoming, said. "This is actually a piece of our history that has survived the centuries. My goal is that by the time Penn State goes to the Rose Bowl again in 1996, this lion will be available for public viewing."

Dr. Yahner had not only a professional interest in seeing the mountain lion returned to Penn State, but a personal interest as well. As a Penn State alumnus, he openly expresses his admiration for the scraggly cat that at one time graced the halls of Old Main.

"From a Penn State perspective, this is 'the Nittany Lion. A symbol of who we are and where we came from,'" he said. "To me, this is much more symbolic than the Nittany Lion shrine, because this is actually a piece of our history. Penn State was

established in 1855 and this animal was mounted in 1856."

"Now this isn't a pretty looking specimen," the Carnegie's Dr. Schlitter explained. "It's 140 years old and I don't think I'd look too pretty either if I was 140 years old."

Killed in 1856 by Samuel E. Brush in Susquehanna County, the mountain lion was stuffed and reportedly mounted by Dr. Lathan Smith, a medical doctor who had acquired taxidermy expertise. The taxidermy on the cat is unique, according to museum officials, and an excellent indication of the skills of that era. An armature, or framework, of metal rods shaped to the size and length of the original animal was made and padded with pieces of wool stuffing, like that used in mattresses. The mounted lion, more than seven feet in length from nose to tail tip, stands atop a plaster-of-paris base, weighs between 200-250 pounds and is 34-inches tall.

In 1893, the big cat traveled to the Chicago World's Fair to be part of the Natural History Museum Collection. After the World's Fair, the lion was given to Penn State and housed on the first or second floor of Old Main. In 1929, serious deterioration of Old Main led to its reconstruction and the stuffed lion was stored in the basement of Watts Hall, (East Halls) which was then the zoology building.

About 1938, the lion was retrieved and used for teaching purposes by the Department of Zoology. It found respite for many years in the office of P.F. English, a professor and department head of zoology and entomology.



Richard Yahner, professor of wildlife conservation, and his rare lion.

Photo: Steve Tressler

## Proposals being accepted for research funding competition

The Office of Undergraduate Education announces a competition for funding for college or campus undergraduate research participation programs. The purpose of the funds is to establish or improve programs for undergraduate research participation. Support will be awarded in amounts between \$2,500 and \$10,000. The requirements for the projects are that:

—undergraduate students join ongoing faculty research activities (the program is not intended to initiate new faculty research nor to support independent research activities of students);

—academic credit be awarded to student participants;

—students write a formal paper about research results;

—formal evaluation of student work and the program take place; and

—faculty participants attend a workshop on structuring and improving undergraduate research.

Awarded funds may be used for travel to funding agencies to seek external support; an initial program of small grants to student/faculty teams; costs of an undergraduate research symposium or fair; or other expenditures that would enhance the climate for, and numbers of, students participating in undergraduate research. Funding is not available for faculty salary or stipends. Among the selection criteria are the number of students to be involved; availability of matching funds from department, college, campus, or external sources; demonstrated benefits

to students; feasibility of the project becoming self-sustaining in future years. A college or campus is limited to ONE program submission which may involve a single discipline or multiple areas.

The submission of proposals from colleges and campuses should be sent to James Rameau, associate dean, Office of Undergraduate Education, 417 Old Main, via the campus director of academic affairs or the college associate dean, no later than Thursday, Dec. 22. If you need a proposal form, contact Brenda Ross at 863-1864. The Committee for Undergraduate Research will serve as a screening committee to recommend projects for the funding.

Already looking travel-worn from its tumultuous existence, it was spotted by Carnegie Museum officials in 1953, who asked if the tawny-colored mammal could be loaned to them as part of their "Deadline for Wildlife" exhibit — one of the museum's earliest exhibitions displaying endangered species. The exhibit, which originally was estimated to be on display for a year, was so popular it remained at the Carnegie for 18 years. The mountain lion also remained, and when the display was dismantled, the lion found its way into museum storage.

For years, officials at the Carnegie Museum attempted to return the mountain lion to Penn State, but Penn State did not have the facilities for proper storage of the cat. After several years passed, a change in both museum and University personnel loosened the ties between Penn State and the Carnegie. In 1993, Dr. Yahner discovered the mountain lion's existence after being chided by colleagues of the Carnegie about when the University planned to hike back its mascot.

Knowing that Penn State wouldn't want to abandon its namesake — the Nittany Lion — two of Dr. Yahner's graduate students, Carolyn Mahon and Brad Ross, volunteered for the trip to Pittsburgh to bring home the lost lion.

Because of its age and time-worn condition, the specimen must be stored in an airtight, dust-free, temperature-controlled environment, that blocks or filters ultraviolet light.

To date, there is still no permanent home for the specimen. Dr. Yahner is hoping that Nittany Lion fans — who call the Pennsylvania mountain lion their mascot — will rally behind the lion's return and help provide a climate-controlled environment for its display. Tentative plans are for the mounted cat to be displayed in Ferguson Building, but Dr. Yahner said a more appropriate place for such a symbolic relic might be found elsewhere on campus. The wildlife conservationists envision the display as an educational tool, as well as a tourist attraction. The display will not only focus on the historical aspect of the cat, but will also address the demise of the Eastern mountain lion in Pennsylvania.

From a scientific viewpoint this mountain lion, *Felis concolor*, is a priceless find. Taking swatches of hair or skin from the specimen for DNA testing could reveal differences, similarities and evolutionary changes among extant mountain lion populations and remaining colonies in Florida or western states. The results could help in the preservation and management of surviving panther populations.

The Carnegie's Dr. Schlitter said because of the animal's historical significance, Penn State now bears a "heavy responsibility" in properly caring for it.

"The Carnegie took excellent care of this animal and it has managed to survive history as the only remaining mountain lion from Pennsylvania taken in the previous century," Dr. Yahner said. "This represents all that we have left and it's a perfect year for it to return to Penn State."

—Lisa Rosellini

## LEADERSHIP PROFILE



John V. Cooney, Allentown CEO, has a 31-year association with the campus.

WHEN THE TELEPHONE RINGS — AND IT OFTEN DOES — WITH A REQUEST FOR ALLENTOWN CEO JOHN V. COONEY TO TAKE ON STILL ANOTHER LEADERSHIP POSITION IN A LEHIGH VALLEY ORGANIZATION, THE CALLER CAN BE PRETTY SURE OF AN ACCEPTANCE.

Mr. Cooney believes that a commitment to community service activities is a major part of his job as Penn State's representative in a very competitive setting.

"It's my role to make Penn State's presence felt in the Allentown area," he says. "Students have access to a total of ten institutions of higher education in this region, so if our campus is to operate successfully, we have to reach out to the community, find out what its needs are, and then fine tune programs to fit them."

"It's a bonus that I also happen personally to enjoy this kind of volunteer service."

The Lehigh Valley region was a developing industrial area with textile plants and steel mills when in 1912 Penn State responded to an invitation from business leaders and began offering courses in what was then called engineering extension. Matching its programs to the continuing industrial growth, the Allentown Campus by the 1950s had become a pilot site for a set of engineering-related associate degree programs.

Allentown is unique among the CES campuses in that its present mis-

sion was approved by the State Board of Education.

"By the seventies, we had grown substantially," Mr. Cooney recalls, looking back on his 31-year association with the campus. "Complaints began to be heard from some of the other schools in the Valley, so the University appointed a task force to study our future role."

"In 1973 this group determined that the campus should keep on providing continuing adult education programs while developing its feeder function for freshman-sophomore baccalaureate education."

"Our associate degree programs were discontinued and added to the portfolios of two recently established community colleges, and we agreed to cooperate fully with the other post-secondary institutions in the region. The state then signed off on the plan."

The campus had already received \$1.4 million from the Higher Education Facilities Act, and now, with its mission defined, a building could be designed to fit the new role.

"We had two important criteria," Mr. Cooney notes. "First, we wanted a building that would provide us with the utmost flexibility, and second we wanted it to be learner-centered."

The resulting one-story structure is 250-feet-long. A conference room area that holds 250 people also divides into six smaller rooms. Even the furniture is flexible. Tables can be moved about by a single person

## JOHN V. COONEY

### SERVING A DIVERSE COMMUNITY

"IT'S MY ROLE TO MAKE PENN STATE'S PRESENCE FELT IN THE ALLENTOWN AREA."

and the room redesigned into any configuration in just 15 minutes.

The heart of the building is its library-learning resource center, and Mr. Cooney points out that it was deliberately planned so that students would walk through the heart of the library to get to class or visit a faculty office.

"We have tried to surround students with all the things they need to learn," Mr. Cooney says. "Books, computers, tape machines — whatever they want is right here in the library."

Faced with the problem of how to accommodate chemistry and biology labs in limited building space, Mr. Cooney found that inter-campus cooperation is a two-way street.

Nearby Cedar Crest College was able to supply faculty, space and materials for introductory biology courses, and Lehigh County Community College offered an empty chemistry lab.

Now, with recent developments in the teaching of microscale chemistry, Allentown has been able to move Chem 14 and 15 back into its own classrooms and hopes by next year to develop similar teaching techniques for biology.

One of Allentown's more unusual uses of community facilities is an association with the local velodrome. This is used by the campus cycling team which has won a national collegiate championship competing against four-year schools, and students enroll from around the country to ride for Allentown.

Allentown's enrollment was limited to 500 undergraduates by the Master Plan, but the campus also reaches some 3,000 persons annually through Continuing Education. Mr. Cooney believes that pre-college age youth programs at present offer the greatest opportunities for growth.

"Helping at-risk youths in the Lehigh Valley area is one of the community's most important needs," Mr. Cooney says. "We have a rapidly growing Hispanic population here, so to help promote better intercultural understanding, we have formed partnerships with three universities in Puerto Rico."

"In the near future, we hope to be able to offer Puerto Rican teachers graduate credits through our own Lehigh Valley Writing Project. In addition to teacher preparation, this program helps children in Grades 5-10 and adults develop writing skills."

"We have enrichment programs that stress career education for children in Grades 2-5," Mr. Cooney continues, "as well as academic programs focusing on writing and math enhancement for high school students. The programs run year round, and of the nine graduates in the first secondary school class we worked with, seven are enrolling at Allentown this fall."

Mr. Cooney earned his own undergraduate degree at Philadelphia's St. Joseph's University, majoring in physics, and then came to Penn State for his M.S. in engineering science. He has served as Allentown's CEO since 1974.

"I'd say the first two-thirds of my tenure were largely internally-focused," he reflects. "The last third has been almost the opposite. With an experienced team in place, I have been able to spend my time working to maintain and expand our role in the community."

Mr. Cooney and his wife, Lois, have six children, and all of them have attended Penn State. When her youngest was in high school, Mrs. Cooney realized a lifelong ambition. Returning to school, she earned her certification as a registered nurse and now works at a Lehigh Valley hospital.

PENN STATE





## Entries for Graduate Research Exhibit at University Park due before Feb. 1

Entry forms for the Tenth Annual Graduate Research Exhibition, to be held March 17-18, 1995, in the Hetzel Union Building at University Park, are now available in department offices or through the associate dean of the Graduate School in 114 Kern.

Entry forms may be submitted between Jan. 3 and Feb. 1. Since a maximum of 250 exhibits can be accommodated in the HUB, if more than 250 are entered, they may be accepted on a first-come, first-served basis, with a quota allotted to each college or research unit.

The Graduate Research Exhibition, sponsored by the Graduate School and the Graduate Council, is open to all University graduate students. To enter, students do not need to have finished the research for their master's

degree or doctorate. Any sound, scholarly research or creative activity can be entered, as long as a well-defined part of the project is complete.

Each exhibit will be judged by three judges (two general judges and one specialist in the student's or a related discipline), who will score it on three criteria: content (60%), display (30%), and oral presentation (10%). Cash awards, totaling \$10,000, will be divided among the winners in five categories: Arts and Humanities, Engineering, Life and Health Sciences, Physical Sciences, and Social and Behavioral Sciences.

Graduate faculty who would be willing to serve as judges should notify their department chairs by Jan. 3.

## Obituaries

H. Beecher Charnbury, assistant dean emeritus for planning and development in the College of Earth and Mineral Sciences and professor emeritus of mineral engineering, died Nov. 9. He was 80.

A graduate of Gettysburg College in 1936 with a bachelor of science degree in chemistry, physics and mathematics, he received a master's degree in chemistry from the University of Pennsylvania in 1937 and a Ph.D. in fuel technology from Penn State in 1942. He also received an honorary Doctor of Science degree from Gettysburg College in 1970 and was presented the Distinguished Alumni Award by the college the following year.

Dr. Charnbury was assistant dean in the College of Earth and Mineral Sciences from 1971 until his retirement in 1973. Prior to that he was Secretary of Mines and Mineral Industries for the Commonwealth of Pennsylvania from 1963 to 1971. He also was professor of engineering since 1973.

Since his retirement, Dr. Charnbury served as a consultant for more than 30 different organizations in coal and ore mining industries, research and academic institutions and government organizations.

Memorial contributions may be made to the H. Beecher Charnbury Scholarship Fund, 17 Old Main, University Park, PA 16802.

George A. Borden, former speech communications professor, died Nov. 13 at the age of 62.

He received bachelor of arts and master's of arts degrees at the University of Denver and a Ph.D. at Cornell University.

Dr. Borden was a faculty member in the Department of Speech Communications at Penn State from 1964 to 1975 and at the University of Delaware from 1975 to 1988. He was a faculty member in the Department of Communications at West Chester University from 1991 to 1993.

S. Lewis Land, professor emeritus of industrial education, died Nov. 5 at the age of 96.

He received a bachelor of science degree from Peabody College in 1922, a master's of science degree from

the University of Wisconsin in 1925 and a Ph.D. from New York University in 1931.

He was a professor and head of the Department of Industrial Education from 1944 until his retirement in 1963. He also was director of Vocational Teacher Education from 1946 until his retirement.

Widely recognized as an international consultant in vocational education, he served as adviser to educational authorities in many foreign countries. Following his retirement, he worked at Ohio State University in India to establish four teacher colleges. His last foreign assignment was in 1977-78 in Lebanon, where he served as adviser to the Lebanese Ministry of Education for the Ford Foundation.

Dr. Land was a charter member and first president of the Wisconsin Guidance Association; a life member and past president of the National Association of Industrial Teacher Trainers; a life member of the Pennsylvania Vocational School Administrators; and a charter member of the Society for International Development.

Lamar C. Reichert, maintenance worker, Penn State Schuylkill Campus, from Sept. 1, 1964, until his retirement Sept. 15, 1984; died Oct. 6 at the age of 75.

George H. Watrous Jr., professor emeritus of food science and industry, died Oct. 3 at the age of 77.

He attended Elmira Free Academy and Alfred Agricultural School and earned bachelor's, master's and Ph.D. degrees from Penn State.

He joined the University faculty Sept. 1, 1994, and retired Oct. 1, 1977. He managed the University Creamery from 1985 to 1966 and was in charge of quality control for all products manufactured at the Creamery.

Dr. Watrous was a member of Alpha Zeta fraternity, Sigma Xi The Scientific Research Society, and Gamma Sigma Delta. He was a life member of the Pennsylvania Dairy Laboratories Directors Association, the American Dairy Association and the International Association of Milk and Food Sanitarians.

more than 20,000 members partly because of the development of new programs and services. Among them are the Parents and Family Society, the Student Membership Program, special programs and publications and expanded benefits in career planning and health and life insurance. Today, the association has more than 130 Penn State chapters across the country and 180 worldwide.

"Membership in the Alumni Association allows alumni and friends to stay connected to the University and to others who also support Penn State," Mr. Weiler said.

For more information about the Penn State Alumni Association, write to 105 Old Main, University Park, PA 16802, or call (814) 865-6516.

## Faculty Research Fellowships announced

The Institute for the Arts and Humanistic Studies has awarded 10 outstanding Faculty Research Fellowships for January to June 1995:

Micaela Amato, School of Visual Arts, "Architectonic Metaphors for Cultural and Physical Healing"; Kevin Berland, English (Shenango Campus), to do research for a book, "Misunderstanding Socrates"; Patrick Cheney, English, to do research for a book on the "literary career" of 16th-century English poet, playwright, and translator Christopher Marlowe; Sharon Dale, Division of Humanities and Social Sciences (Behrend College), to do research on the Arcs di San'Agostino in Pavia at the church of San Pietro in Ciel d'Oro; Aristoula Georgiadou, Classics, to do research to complete an authoritative edition of Lucian's *True Histories*;

Charles Gibbons, School of Visual Arts (New Kensington Campus), painting and experiencing relationships of art and communication in Cusco and Machu Picchu, Peru; Steven Heine, Religious Studies Program, to study the relationship between folklore themes and "high" spiritual religion in Japanese culture, with special reference to the famous "fox Kurob"; Jeanne Krochalis, English (New Kensington Campus), to do research on Norman physician and scholar Hieronymus Münzer; James Lyon, School of Music, to present a recital at Weill Recital Hall at Carnegie Hall; Daniel Pfaff, School of Communications, to do research for a biography of Joseph Pulitzer III (1913-1993);

Michael Riley, English (Berks Campus), creative writing in Ireland; Naomi Seldman, Comparative Literature, to do research for a book, "From Sendel the Woman to Yentl the Yeshiva Boy"; Timothy Shafer, School of Music, to present a recital at Weill Recital Hall at Carnegie Hall; Markus Winkler, German, to do research leading to the edition of *De la Religion* part one, of *Oeuvres complètes* de Benjamin Constant.

## LETTER TO THE EDITOR

Thank you for your excellent article (Nov. 3) on the 1995 senior class gift to develop Foundry Park. Your accompanying discussion of the former Penn State Foundry Lab site as the location of significant foundry research in the 1970s and '80s needs clarification. A vital foundry research program continues in the new Foundry Lab with the strong support of industry. Currently more than 60 foundries in Pennsylvania and across the U.S. are participating in multidisciplinary foundry research at Penn State. Penn State has the only continuing program to train more engineers for the foundry industry than any other university. Foundry Park is a wonderful tribute not only to a past era, but also to a vital continuing success story.

Robert C. Voigt  
associate professor of  
industrial engineering

## Alumni Association recruits more than 20,000 to reach its goal

Eight months ahead of schedule, the Penn State Alumni Association has reached its 125th anniversary membership goal of 125,000 members.

The Pride of Lions Membership Drive was launched in January 1992 with a goal of 120,000 members, a target increase of more than 14,500 over its 1991 official membership of 105,457.

"During the first year of the drive, we recruited 4,329 members," Peter B. Weiler, association executive director, said. "Since we were so successful, we increased the membership goal to 125,000 to coincide with the celebration of our 125th year." As of November, the actual count was 125,834 and is likely to go higher before the June 30 membership drive deadline.

In less than four years, membership increased by

## From the Trustees Docket

### Pittsburgh architects show preliminary plans for new Paterno Library addition

The Board of Trustees has approved sketch/preliminary plans for the Paterno Library construction at Pattee Library, which includes a new main entrance to the entire library complex and a five-story addition to East Pattee.

The sketch/preliminary plans, by architects Celli-Flynn and Associates of Pittsburgh, were presented at the board's meeting Nov. 18 for its approval. The project involves the first major addition to Pattee Library since 1972. The name Paterno Library will apply to the addition and to the adjacent East Pattee wing, which will undergo extensive renovations.

As part of the project, the existing narrow link between the central and east portions of the library will be replaced by a new main entrance connector. The new Mall and Curtin Road sides and serve as a pedestrian thoroughway from one side to the other.

The main entrance will include a three-story atrium lobby with stairs and an elevator leading to the floor above, where a new main desk will be located.

Behind the main desk, the first floor portion of the Paterno Library will include offices and work rooms for staff, the cataloging and acquisitions department, and the loading dock and receiving room. The remainder of the first floor will be devoted to the Special Collections Library that includes the Rare Books Room, the University Archives/Penn State Room, a Historical Collections

and Labor Archives area, reading rooms, and exhibit areas.

On the second floor, the Paterno Library will house the Social Sciences Library, group study and seminar rooms, reading areas, and staff offices. The connector to Central Pattee at this level will include space for micro-forms.

The third floor will house the Business Library and part of the Social Science Collection while the fourth floor will house the Life Science Library. The fifth floor includes the Education Library, Interlibrary Loan Division, and the libraries' administrative offices with the dean's suite.

On the east side of the third, fourth, and fifth floors, an exterior wall will be set back one bay from that of the second floor to allow for future construction of additional library area.

At its July meeting, Trustees approved the name Paterno Library to honor Head Football Coach Joe Paterno and his wife Sue. The couple led a successful 18-month campaign that raised \$13.75 million in private gifts, including their own contribution of \$250,000, to help build the addition.

The private gifts will be combined with a \$14.8 million state appropriation to fund the \$19.8 million project. Construction is slated to begin in 1995 and is expected to take 18-24 months.

### Trustees hear report on financial status of University

The Board of Trustees has received a report on the University's 1993-1994 audited financial statements.

"Total assets of the University as of

**Expenditures for instruction were \$345 million in 1993-94, compared to \$167 million just 10 years ago.**

June 30, 1994, were \$3.2 billion before depreciation," Kenneth S. Babe, corporate controller, said.

Revenue received by the University, in 1993-1994 was \$1.4 billion. This is a 114 percent increase over the \$655 million received 10 years ago in 1983-1984.

Expenditures for instruction in 1993-1994 were \$345 million. In comparison, \$167 million was spent for instruction in 1983-1984.

The annual independent audit was performed by Deloitte & Touche. In addition, Mr. Babe said, the University's own internal auditing staff prepared separate reports for the 1993-1994 fiscal year.

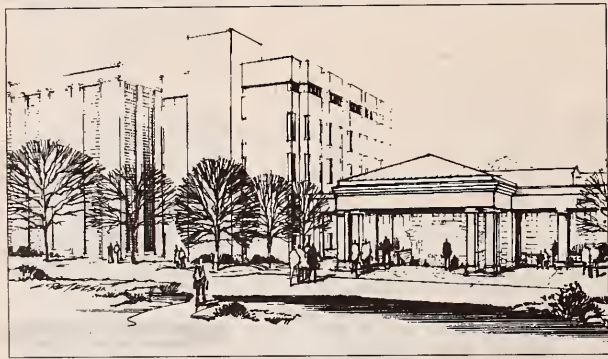
Mr. Babe also reported that the University has received the state auditor general's report on the state appropriation for the year ending June 30, 1993. As has been the case for the past several years, no formal findings relating to the University were made.

### Changes made to graduate education

The Board of Trustees has reviewed several changes in graduate education, including the creation of a new master of music degree in voice performance and pedagogy in the College of Arts and Architecture. The degree will stress the physiology, teaching skills and literature of voice research to better prepare students to become well-rounded artists and teachers.

Requirements for a doctoral degree in political science in the College of the Liberal Arts have been changed to update the program and improve student competitiveness in that field. The changes are designed to introduce a sequential learning process, proceeding from core methods seminars to subfield survey seminars to research seminars.

Requirements also have been changed for the master of education degree in training and development at Penn State Harrisburg. Curriculum changes in this degree program will help prospective instructors, evaluators, instructional writers, facilitators, program designers and researchers.



The proposed Paterno Library, as viewed from Curtin Road on the University Park Campus.

### Graduates

continued from page 1

chart of 1991 unemployment rates relative to the years of school completed. People with five years or more of college experienced a very low jobless rate of 2.37 percent, compared with 5.82 percent for high school graduates and 4.74 percent for people with up to three years of college.

At Penn State, a committee is working toward implementing the goals and recommendations in an earlier report of the Task Force on Graduate Education. For example, the members are reviewing processes related to graduation education and developing success-oriented strategies, according to Dr. Shirley.

"We also hope to double our minority graduate representation over the next 10 years," he said. "While the debates continue on the need for more graduate education

nationally, undergraduate students, who are the strongest stakeholders in the process, are expressing their vision of the future work place."

According to a survey by the American Council on Education together with UCLA, 65 percent of 220,757 freshmen in 427 colleges and universities said they planned to go on to graduate school, a higher percentage than ever before.

"Those states and communities that support their best resource — students of all ages — will prosper in the upcoming global society," Dr. Shirley said. "And Penn State is enhancing its role as an international university. It is becoming a major center for graduate education, recognized both in the United States and throughout the world."



## From the Trustees Docket

## Trustees approve plans for three campuses

The Board of Trustees has approved sketch/preliminary plans for new facilities at the Altoona and University Park campuses and revised plans for parking improvements at the Ogontz Campus.

At the Altoona Campus, a two-story addition is planned for the existing Holtzinger Engineering Building to house labs, faculty offices, and other facilities for the new Electro-Mechanical Engineering Technology program, and two general classrooms. Designed by Hayes Large Architects of Altoona, the 15,000-square-foot structure will have a direct connection and share an elevator with the existing building. The Holtzinger Engineering Building addition is an Operation Jump Start project.

At University Park, a two-level addition is planned for the existing Animal Diagnostic Laboratory. The 4,000-square-foot structure is designed by the University's Office of Physical Plant for a total project budget of \$2.1 million.

At the Ogontz Campus, \$1.6 million of improvements and expansions will be made to various parking areas for an addition of 242 permanent spaces. Architect for the parking area work is the University's Office of Physical Plant.

Trustees also approved new names for facilities at four locations.

The library building at the Wilkes-Barre Campus was renamed the Nesbitt Library in honor of benefactors Abram and Carol Nesbitt of Lake Catalpa Tree Farm in Dallas. The Nesbitts most recently gave \$1.3 million to support campus programs in surveying engineering, biomedical equipment technology, and the library. The couple's other philanthropy has included a gift in 1988 that established a laboratory in the Center for Technology Building at



Architect's drawing of the addition to the Holtzinger Engineering Building on the Penn State Altoona Campus.

the Wilkes-Barre Campus. Abram Nesbitt has served on the campus advisory board for nearly 30 years.

Trustees were formally notified that President Thomas has approved naming the auditorium in Olmsted Building at Penn State Harrisburg, the John Crain Kunkel Foundation Auditorium in honor of contributions by the foundation.

The President also approved naming Room 104

of the Mater Building at University Park Campus the Lee Office in honor of a pledge to the building's construction fund by W. S. Lee and Sons of Altoona, and the naming of the computer laboratory in Mater Building the Nicholson Information Technology Center in honor of a pledge by MICROS Systems, Inc., Bethesda, Md., in memory of Thomas N. Nicholson IV.

## Student Affairs office fostering community-minded students

What goes on outside of class can make the difference between success or failure for many college students faced with changing interests, unfamiliar cultural expectations and often conflicting lifestyles — especially at large public universities with students from many cultures and socioeconomic backgrounds.

Creating a campus community that encourages justice, openness, discipline and service to others can be the critical factor for a successful college career, and it is the primary goal of the Office of Student Affairs, the Board of Trustees learned at its meeting. The board also learned how Penn State is becoming a leader in the student community service movement from two of the more than 9,700 University Park students who did volunteer service last year.

"The concept of campus community is an expression of the University's values and its expectations for citizenship, William Asbury, vice president for student affairs, said. "Our vision is to build a constantly improving partnership of students, faculty and staff dedicated to instilling citizenship values and academic competence in multicultural, multi-campus locations."

"We find that students who participate in out-of-class activities — such as volunteering off-campus, holding leadership positions in campus organizations, participating in leadership seminars and being a peer teacher — practice what they learn in classroom and laboratory and enrich the quality of their college experience by doing so. In our programs are based on the belief that students' academic, career and personal development grow in direct relationship to their participation in the community."

As an advocate for student needs and interests, the Office of Student Affairs provides programs that

affect all aspects of student life. Among them are the Centers for Community Education established last year as a collaborative initiative: the Center for Ethics and Religious Affairs, under the direction of Thomas Poole; the Center for Women Students

***"Our programs are based on the belief that students' academic, career and personal development grow in direct relationship to their participation in the community."***

William Asbury  
vice president for student affairs

under the direction of Sabrina Chapman, and the Paul Robeson Cultural Center, where Larry Young is the director. These three centers in particular are based on the principles of supporting members and service to others.

Other programs under the wing of Student Affairs are Campus Student Affairs; Career Development and Placement Services; the Center for Adult Learner Services; Judicial Affairs; Residence Life; Student Unions; Counseling and Psychological Services; and University Health Services.

"The Student Life Office, which is also part of our organization, focuses on teaching leadership skills and helping students become volunteers in the off-campus community. Last year the office helped establish the AT&T Center for Service Leadership, which is the only one of its kind in the country and

is supported in part by a \$500,000 gift from AT&T," Mr. Asbury said. "The center will serve as a model for other institutions in developing student leadership and citizenship skills."

After taking a counselor education course in "Managing Student Community Service Organizations" designed and taught by AT&T Center staff, Howard Pope, who talked to the Board about his experiences, took a year out of school to become a member of the Pennsylvania Service Corps, an AmeriCorps model program. He was posted back to Penn State to work on the development of volunteer programs and services and to be an adviser to the Alternative Spring Break Program.

"As I look back, I realize that I have developed from thinking about community service as 'those guys in orange vests picking up trash along the highway' to making service a lifetime commitment — without the AT&T Center, I never would have reached this point," he said.

Kathy Whipple, who also spoke to the board, was a Student Affairs executive intern working on residence life issues as an undergraduate and now is a graduate student preparing to become a professional in student affairs. She now works in the center.

"The AT&T Center for Service Leadership has opportunities that did not exist when I was an undergraduate," she said. "The eight-week Emerging Leaders program helps students develop leadership potential and connects them with ways to get involved at Penn State, while the Introduction to the Real World program helps graduating student leaders network with Penn State alumni and local corporate professionals."

# Title change brings search for dean of Graduate School

At its Nov. 18 meeting, the Board of Trustees approved the change in title of the senior vice president for research and dean of the Graduate School to senior vice president for research and graduate education. President Thomas has approved the title change for the associate dean of the Graduate School to dean of the Graduate School. Barbara Shannon, the current associate dean, has accepted the position of dean of the College of Health and Human Development, effective Jan. 1, 1995.

An internal search will be conducted to fill the position of dean of the Graduate School. A search committee has been appointed to identify candidates.

Gregory Geoffroy, dean of the Eberly College of Science, will chair the committee.

Other committee members are Eric Barron, professor of geosciences and chair, graduate fellowships and awards committee of the Graduate Council; James Beierlein, professor of agricultural economics and chair, committee on student and faculty affairs of the Graduate Council; Moses Chan, Evan Pugh Professor of physics; Lynne Feagans, professor of human development; Raymond Hettche, director of the Applied Research Laboratory;

Catherine Lyons, director of minority graduate opportunities; Sean O'Keefe, special assistant to the

senior vice president for research and graduate education and professor of business administration; Lynda Phillips-Mason, director of academic affairs at Penn State Great Valley, and Jennifer Stuckney, president of the Graduate Student Association.

The search committee will begin to review applications in mid-December and continue to receive them until a candidate is selected. Nominations and letters of application accompanied by curriculum vitae and other supporting material should be submitted to Gregory L. Geoffroy, chair, Graduate School Dean Search Committee, Room 207 Old Main, University Park.

## News in Brief

### Palmer award nominations

Nominations for the Howard B. Palmer Faculty Mentoring Award are due in 308 Kern Building at University Park by Friday, Jan. 20.

The award honors and recognizes outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty. Dr. Palmer was senior associate dean of the Graduate School from 1985 until his retirement in 1991.

Nomination forms are available upon request from 308 Kern Building, telephone 863-1663.

### Penn State Golf

The Penn State Golf Shop is offering holiday sales on name brand golf apparel and equipment for the golfer in the family.

Gift certificates are available for merchandise; a gift wrapping service is offered, and mail orders are accepted.

Golf Shop hours are 9 a.m. to 5 p.m. seven days a week through Thursday, Dec. 22.

### "Project Lead Coffins"

"Project Lead Coffins: The Search for Maryland's Founders" will be the subject of a presentation by Mark Moore, project technical director, Project Lead Coffins, at noon Wednesday, Dec. 7, in 107 Carpenter Building at University Park.

Dr. Moore, who is reactor facility director at the Armed Forces Radiobi-

ology Research Institute of the Uniformed Services University of the Health Sciences in Bethesda, Maryland, lives near historic St. Mary's City, the site of an historic preservation project where three lead-lined coffins were discovered.

The presentation will consist of a general historical perspective, characterization of the Great Brick Chapel and lead coffins found in the ruins. He will discuss the excavations of the churchyard and coffins and attempts to identify the human remains and learn about health, disease and diet in the early Chesapeake Bay.

Penn State's Radiation Science and Engineering Center, which made significant contributions to the project, and the Anthropology Department are sponsoring the presentation.

### Christmas Tree Sale

The student organizations of the School of Forest Resources announce their annual Christmas Tree Sale. The trees are Scotch Pine ranging from 4 to 7 feet. The cost is \$20 per tree.

To order a tree for your department or individually, please send a memo, or e-mail kms139@psu.edu, with the size(s) and quantity to the Forest Society, 111B Ferguson Building. The trees will be delivered Dec. 2. Departments may pay with a SRC, and receipts will be given upon delivery.

### Research subjects sought

Diabetes? Hypertension? High Cho-

lesterol? Having trouble following diet recommendations for these conditions? We are testing a new line of foods that taste great, provide all recommended allowances for nutrients, but are low in sugar, salt, and cholesterol. You may qualify if you have one or more of the above problems and meet all of these criteria:

Age 25 to 70 years; live within driving distance of the University Park Campus; in town most of most of January through April; NOT on insulin; not pregnant, nursing, or planning to get pregnant; not have a life-threatening illness.

If you meet these criteria, please call 865-0351 and leave a message. Give your name and a phone number where you can be reached during the day.

### Yearbook sale

*La Vie*, the Penn State yearbook, is on sale now. Make sure you pick up your order form in 209 HUB. The price is only \$35 until January. Don't miss out on this award winning book! Please call 865-2602 with any questions.

### Electronic conference

Professional Women at Penn State is pleased to announce the creation of an electronic conference at Penn State — PSPWS-L. This is a private, Penn State only, electronic conference for discussion of matters pertaining to all members of the Penn State community. The conference owner is Lois Seitz (u3g@psvm.psu.edu).

To subscribe: Send electronic mail to add to the list to [LISTSERV@PSVM.PSU.EDU](mailto:LISTSERV@PSVM.PSU.EDU) with no subject and simply containing the command: subscribe pspws-l your name here; example: subscribe pspws-l Joan Smith. You will then receive mail from [pspws-l@psvm.psu.edu](mailto:pspws-l@psvm.psu.edu) and will make all conference contributions in the form of electronic mail to that address. All University employees are encouraged to contribute.

### Visiting delegation

On Nov. 18, the Office of Administrative Systems hosted a delegation from the University of Sao Paulo, Brazil, to discuss administrative computing.

### Food Bank seeks bags

Do you want to help a worthy cause? With the approaching holiday season, the State College Food Bank is in great need of brown paper grocery bags. The Food Bank is located at St. Andrews Episcopal Church, 208 W. Foster Ave., State College. If the Food Bank is closed when you deliver your donations, just leave them near the door at the rear parking lot of the Church.

### Center moves

The Philadelphia Community Recruitment Center, formerly located at 401 North Broad Street First Floor, has moved to 4601 Market Street, Second Floor, Philadelphia, PA 19139. New telephone numbers are: 215-476-9557, FAX# 215-476-9562.

# Licensing company chosen to represent University interests

Penn State has selected The Collegiate Licensing Company of Atlanta to provide administrative and marketing services for its comprehensive licensing program.

"Penn State's licensing program, which began in 1983, has grown to include more than 1,100 licensees," James M. Wagner, vice president for business and operations, said. "To ensure continued growth of the program, we have selected a nationally recognized firm to represent Penn State locally, regionally and nationally, beginning Dec. 1."

The Collegiate Licensing Company will provide marketing and promotion support for the program,

while ensuring compliance with current license agreements and protecting the Penn State marks from unapproved use. The University only allows high-quality products to use its mark.

The University Licensing Committee, which includes representatives from Intercollegiate Athletics, University Publications and Business and Operations, selected Collegiate Licensing after issuing a Request for Proposal and thoroughly examining the candidates. Key to the committee's decision was the company's ability to represent Penn State regionally and nationally.

The Collegiate Licensing Company with 45

employees has been in operation for 11 years, and currently represents more than 133 different university licensing programs, including the universities of Michigan, Wisconsin and Illinois and Purdue.

"We are confident that The Collegiate Licensing Company has the experience, resources and expertise to support a large and growing licensing program like Penn State's," Mr. Wagner said. "Revenue from the program is important to the University as it supports athletic and academic scholarships in a time of limited funding."



Barbara M. Shannon

## New dean tackles duties in College of Health and Human Development

The Board of Trustees at its meeting Nov. 18 approved the appointment of Barbara M. Shannon as dean of the College of Health and Human Development, effective Jan. 1. Dr. Shannon, a University faculty member since 1971, is associate dean of the Graduate School and distinguished professor of nutrition. She was head of the Penn State Nutrition Center for 11 years and is a past president of the Society for Nutrition Education. She was interviewed by Tina M. Hay, communications assistant to the dean in the college.

**Q** You have said that the College of Health and Human Development is in a strong position to respond to some critical national needs. What do you mean?

**A** It's extremely well positioned to meet a number of needs in the health area, one of our most pressing national issues. The college addresses health promotion in the broad sense, which is different from disease treatment, and there is great emphasis today on promoting health and preventing disease. Our undergraduate programs, for example, prepare students to work in such areas as nutrition, health education, services for children, families, and older adults; and so on—fields that are directed to promoting health and quality of life through the life cycle.

Incidentally, the way I view health is very broad. It means not just physical health but emotional and mental health as well. It also has to do with life-span development, that is, the quality of life from childhood through aging.

At the same time, disease treatment—the medical model—also is important. So the interaction between the College of Medicine and the College of Health and Human Development is very important. The two colleges complement each other.

**Q** Will fostering collaboration with the College of Medicine be a priority for you, then?

**A** Absolutely. The college is moving in that direction already. There are a number of initiatives well under way—many in research and some in teaching—and I certainly want to promote that.

**Q** You mentioned the college's role in educating people to work in health care and related fields. The college's undergraduate enrollments have grown dramatically since the college was created in 1987.

**A** That says two things. It says that there's a lot of interest out there among our 18-year-olds in the kinds of careers that they can prepare for in our college. It also says that there's a need for professionals in those areas—and students know that. They see that there's a demand in such areas as health care management, dietetics, hospitality management, and many related fields.

**Q** The college's research enterprise, as measured by external funding, also has been growing. Can we expect that to continue?

**A** I certainly hope so, but there are concerns, given the recent elections. Each day in the newspaper we read projections that we may see some significant cuts in funding for uni-

versity research. It's something we're all concerned about at Penn State.

Nevertheless, the whole health area is still a very major need in the country, and I have to hope that the funding of research that's oriented toward promoting the health and well-being of our population will be recognized as being critical, and that the funds in that area won't be reduced as much as some fear.

It does mean that we have to continue to look at all sources of funding. There will be more emphasis on partnerships—collaborations among universities, government agencies, and the private sector. We've always been good in our college—and for that matter, in the University as a whole—at obtaining funds from private sector sources, and we're going to have to continue that.

**Q** Health and Human Development also is active in the service part of its mission, with a very comprehensive program of outreach offerings.

**A** Yes, the college reaches about 22,000 people each year through seminars, workshops, professional development programs, consulting, and similar efforts. There is a tremendous demand for our expertise, in working with state and federal agencies, in applying our research findings, and translating them into information and skills for people who work in human service areas. That's where I think we perform such an important service, by extending our expertise and the application of our research to the agencies and organizations that are working directly with the population.

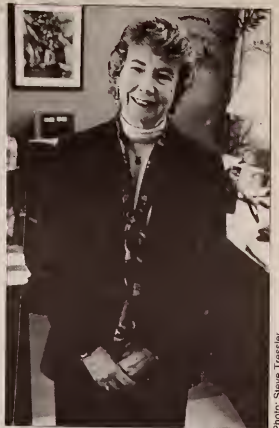
**Q** You've been meeting with department heads and faculty to learn about the college. What are some of the themes that you're hearing?

**A** The most common theme is that workloads have increased because of the college's growth in enrollments. That's a good need—it means that there's a demand for our majors. But the question that faculty are asking is, "Can we expect that allocation will follow enrollment?" You can't just expect enrollments to grow without being able to provide the faculty resources to make sure students get a quality education. So the workload increase and the need for more resources to address that are a concern.

**Q** Last year President Thomas appointed a study group to examine the life sciences at Penn State. That group issued its report last spring. Of the recommendations contained in that report, which ones are being pursued most actively right now, and which are least likely to happen?

**A** Well, the President has said that he does not intend to adopt the recommendation for the formation of a College of Life Sciences. But he did ask for some further exploration of other recommendations, and he appointed an implementation committee to explore those. I began participating on that committee within a few days after accepting the position as dean, and we have come forth with a proposal that draws on that report.

Definitely the biological sciences at Penn State need to be strengthened, and the biological sciences in the broad sense undergird many of the teaching and research areas in our col-



Barbara M. Shannon

Photo: Steve Tressler

lege. Our college has a strong biological science component as well as a behavioral component. My feeling is we can be a major contributor to strengthening the biological sciences at Penn State, and that in turn can only strengthen our college.

The implementation committee has proposed a Division of Biological Sciences, a structure that bridges four colleges: Agricultural Sciences, Health and Human Development, Medicine, and the Eberly College of Science. It is intended to promote interdisciplinary, to strengthen research, and to strengthen the graduate and undergraduate offerings in the biological sciences. We are soliciting faculty input on that proposal now.

**Q** What are some of the challenges that you're likely to face as dean?

**A** Our college has evolved from several previous colleges and in some cases mergers of colleges, and that has caused some people to view us as a haphazard collection of unrelated groups. That is a perception held by some in the University who don't know us well, and to some extent even by those within the college who haven't thought about the college in its broadest sense. But as I look at all of the programs and think about them and work with them, I see a real logic in their being grouped together. We have units that are focusing on essentially every area that has to do with the health and well-being of people.

For example, I see our School of Hotel, Restaurant, and Recreation Management as playing a major role in the factors that impact on health. So much of our eating today takes place in restaurants, in schools, and in other institutions. And the whole area of leisure deals with the need to alleviate stress and to balance our lives in a way that helps keep us healthy.

So I see the programs in this college as making eminent sense. And the college provides a structure that facilitates what needs to happen. These are exceedingly important professional areas, and a structure like ours allows for significant research and educational activities to take place in those areas.

## Staff review includes new component: A Professional Development Plan

THE UNIVERSITY IS IMPLEMENTING A STAFF REVIEW AND DEVELOPMENT PLAN THAT REPLACES THE ANNUAL STAFF EXEMPT AND NONEXEMPT EMPLOYEE APPRAISAL FORM. THE NEW PLAN WILL BE COMPLETED BY STAFF THIS SPRING FOR THE FIRST TIME. WHILE THE NEW INSTRUMENT DIFFERS FROM THE OLD ONE IN SEVERAL WAYS, ONE OF THE MOST SIGNIFICANT CHANGES IS THE ADDITION OF AN ANNUAL PROFESSIONAL DEVELOPMENT PLAN FOR EACH STAFF MEMBER. IN THIS INTERVIEW, JOHN BRIGHTON DISCUSSES HIS VIEWS ABOUT PROFESSIONAL DEVELOPMENT.

### ■ WHAT IS A DEVELOPMENT PLAN?

A Development Plan is a tool for improving performance. It includes a Self Assessment and an Action Plan that encourages continuous professional growth and development. In collaboration with their supervisors, staff will use the Self Assessment to profile strengths and needs, and the Action Plan to list specific developmental activities.

### ■ WHY DID THE UNIVERSITY ADOPT DEVELOPMENT PLANS TO ITS ANNUAL REVIEW PROCESS?

The rate at which information is expanding in today's world requires everyone to learn and develop throughout their careers just to remain current. It is crucial that our staff be prepared to cope with growing demands in an increasingly competitive arena. From another perspective, career paths among all types of employees are changing dramatically. More than ever, employees expect to be able to continuously learn and develop in

their jobs. If the University supports and encourages staff development, Penn State will be able to retain our most valuable people and build leadership at all levels of the organization.

### ■ HOW DO DEVELOPMENT PLANS RELATE TO PENN STATE'S INSTITUTIONAL GOALS?

Staff development is consistent with what we as an educational institution value and with our strategic goals. The University has a commitment to systematically support the continuous growth and development of its staff, and the Development Plan is a tangible expression of this commitment. The Development Plan is a tool for achieving both individual and organizational goals.

### ■ HOW DO DEVELOPMENT PLANS RELATE TO PENN STATE'S COMMITMENT TO CONTINUOUS QUALITY IMPROVEMENT?

Recently the University Council on Continuous Quality Improvement identified "core processes" that are essential for achieving Penn State's strategic goals. One of these core processes is staff recruitment, retention, and development; and a tool for encouraging staff development is the Development Plan.

### ■ IF DEPARTMENTS ENCOURAGE STAFF DEVELOPMENT, WILL THEY RISK LOSING PEOPLE TO POSITIONS IN OTHER AREAS?

To achieve our vision of national and international preeminence, we need to adopt a broader perspective of staff development at Penn State. In the past, employees have often been regarded as resources within their respective departments. From a University-wide perspective, departments that support people in their professional development benefit us. It is clear that attaining excellence hinges on our ability to achieve both institutional and developmental goals. The primary enterprise is the University, and we need to cultivate institutional, departmental and individual perspectives.

### ■ WHAT OTHER THOUGHTS ABOUT DEVELOPMENT PLANS WOULD YOU LIKE TO SHARE?

The University's decision to implement Development Plans reflects a heightened awareness about the importance of staff development to Penn State. This is an area of change in which everyone can benefit. Staff and supervisors can work together to ensure that Development Plans contribute to the achievement of both individual career goals and the organizational goals of the work unit.

Finally, I would like to compliment Dr. Willits and the Office of Human Resources for moving in this direction. It is very important that all of us in the University are learning and developing new skills, not only to be more effective in doing our work, but also to feel more a part of the decisions that drive the university.

## New distance education program in the works

With the help of a grant from AT&T, faculty members in the College of Education, in conjunction with staff in Continuing and Distance Education, are developing a master's degree program in science education that will be specifically designed for the classroom teacher and delivered via distance education.

"The major problems we want to address," Peter Rubba, head of the Department of Curriculum and Instruction, said, "are that classroom teachers have varied professional development needs; they are often location-bound; and because of their schedules, cannot easily attend classes during the day. It is well documented that one-day in-service programs are not as effective as ongoing professional education."

According to Dr. Rubba, the project will address all these issues by providing a graduate degree curriculum via distance technology—bringing the College of Education to teachers in the field.

By combining College of Education faculty expertise with the Division of Continuing and Distance Education's distance education capabilities, the challenges of providing a complete

graduate program away from University Park can be met. One of the remaining issues, however, is how to provide meaningful instruction at a distance.

"Part of the process," Dr. Rubba noted, "is to develop a completely new delivery model. Traditionally, universities have only looked at the delivery aspects of distance education. Curriculum and instruction issues are not addressed, with the result being that the full capacity of the technology often remains untouched."

Design of the graduate degree will involve a planning stage, during which a market survey will be conducted, a three-day curriculum development conference will be held, and delivery sites identified. Pilot sites will be set up around the state and a project team will design evaluation instruments. The program is expected to be on-line by January 1996.

"With the support of AT&T and the Continuing and Distance Education staff," Dr. Rubba added, "we are moving toward a program that will allow a teacher to earn a master's degree at a time and place convenient to work or home."

## PARTINGS

Robert L. Allen, director of Media Services, Partee Library, from Oct. 4, 1976, until Oct. 1.

David E. Branigan, assistant treasurer, Corporate Office, from Feb. 1, 1978, until Aug. 23.

Constance L. Diehl, staff assistant IV, Penn State Fayette Campus, from Jan. 3, 1977, until Oct. 1.

Ruth A. Dudes has retired after 22 years of service in University Health Services.

While in the department she held numerous titles, such as outpatient nurse, and emergency ward nurse. Her last 11 years were spent as a staff nurse in the Women's Health Department, where she interviewed patients to evaluate their immediate health care needs.

In her retirement, Ms. Dudes, a veteran roller skater of 18 years, plans to continue her three years of experience as a competitive roller skater.

Margaret A. Hume, staff assistant VI, Penn State Erie, The Behrend College, from Oct. 17, 1977, until Oct. 1.

Barry L. Jais, foreman, Maintenance and Operations, Penn State Hazleton Campus, from Nov. 11, 1976, until Sept. 1.

Robert J. McCord, janitorial worker, Penn State Schuylkill Campus, from June 1, 1977, until Sept. 17.

Robert W. Sosar, food service worker A, Housing and Food Services, Penn State Hazleton Campus, from Jan. 19, 1977, until Sept. 1.

Viola W. Stiffler, quality assurance analyst, Hershey Medical Center, from Oct. 26, 1981, until Nov. 1.

Paul S. Wilson, has retired after 25 years of service as a computer operator in the Center for Academic Computing, Computer and Information Systems.

In the center, Mr. Wilson was an operations group member and a consultant for students and industry.

In retirement, he will pursue his religious career as the coordinator of the Laymen Leagues in both Altoona and Mount Union.

Elizabeth J. Wyda, mail clerk, Penn State Wilkes-Barre Campus, from Jan. 5, 1976, until Sept. 1.

Carlos A. Zuritz, associate professor of agricultural engineering, College of Agricultural Sciences, from Aug. 10, 1984, until Nov. 1.



# Successful University intervention program to continue with \$1.1 million national grant

Penn State's innovative Talent Search Program has received \$1.1 million in nationally competitive funding to continue work with seven of the poorest school districts in Pennsylvania for four more years. This unusually successful program, with a 98 percent program retention rate, provides sixth- through 12th-graders with support and information about financial aid and academic assistance toward enrollment in college.

"Poverty is a key factor in academic failure — it decreases the likelihood that students will complete secondary school and enroll in postsecondary education," Howard E. Wray III, assistant dean for undergraduate education, said. "Estimates are that only 4 percent of those from families with incomes in the lowest fourth of the nation's income will earn a bachelor's degree by age 24, compared to 76 percent of those with family income in the top fourth."

The Talent Search Program is housed in Chester Upland, Alliquippa, Clairton, Duquesne, New Kensington-Arnold, Sharon and Farrell school dis-

tricts, where program counselors work with low-income students who have the potential to become first-generation college students.

"The Talent Search Program seeks to intervene as early as possible. It provides information and outreach services to help middle and high school students stay in school and enroll in postsecondary education," Teresa Tassotti, program director, said.

Almost 1,000 students received program services last year, and more than 700 students returned from the 1993-1994 school year. "Our first three years of operation have been a great success and with the support and cooperation of our target school districts we will continue to be successful," Ms. Tassotti added.

Talent Search counselors provide career planning, information on how to apply to college, information on programs at community, technical, private and state institutions, help in completing college applications and arrange campus tours. Counselors also help students prepare for SAT

college entrance exams.

"Our counselors work closely with guidance counselors in each school, giving them support and assistance," Ms. Tassotti said. The additional Talent Search counselors are especially critical in target area schools where one guidance counselor may have to serve nearly 1,000 students.

Results of the program are impressive. As of July, 76 percent of its students went on to four-year colleges, community colleges, vocational and technical institutions — an unusually high number in an area where the average placement rate is often well below 50 percent.

"We desperately need to keep our school-age children in school and in programs that prepare them for post-secondary and higher education," John Cahir, vice provost and dean for undergraduate education, said. "A college education is a basic requirement for many employers and a college-educated workforce is critical to Pennsylvania's economic health."

## Penn Staters

Sidney Barnard, professor of food science, has received the Gifford Award from the International Association of Milk, Food and Environmental Sanitarians for his work with the association over the last 25 years.

Richard Barton, associate professor of communications, has been elected to the Executive Council of the Mid-Atlantic and New England Association for Canadian Studies.

Peter R. Cavanagh, director of the Center for Locomotion Studies in the College of Health and Human Development, has received the 1994 Borelli Award from the American Society of Biomechanics in recognition of his "preeminent contributions to the science of biomechanics."

Monty Christiansen, associate professor of parks and recreation in the College of Health and Human Development, presented an invited paper on American urban park planning at the International Federation of Landscape Architects meeting in Taipei, Taiwan. He also has been inducted as a Fellow of the American Academy for Parks and Recreation Administration.

Paul S. Dimick, professor of food science presented a paper titled "Influence of Composition on Crystallization of Cocoa Butter" at the International Symposium L'Alliance 7 - Cedus "The Crystallization in Food Products" in Paris, France.

Jeff Edmunds, library assistant in the Cataloging Department of the University Libraries' Information Access Services Division, has been named associ-

ate editor of *Nabokov Studies*, an annual scholarly print journal devoted to the works of author, translator, and lepidopterist Vladimir Nabokov.

Dave English, director of continuing education at the Penn State Shenango Campus, delivered a presentation on "The Ohio-Pennsylvania Higher Education Network (OPHEN)" at the Association for Continuing Higher Education (ACHE) annual meeting in Toronto.

Eliot Fried, assistant professor of engineering science and mechanics, presented a paper titled "Interesting Geometrical Structures in the Theory of Multiphase Bodies" at the World of Shells, A Conference in Honor of P. Glocker, in Banff, Canada. It was co-authored with R. Segev of Ben-Gurion University, Israel.

Julie Heffernan, assistant professor of art, exhibited a collection of new paintings in the Littlejohn/Sternau Gallery in New York City, N.Y. The exhibition opened Oct. 20 and runs through Dec. 3.

Rangachar Kasturi, professor of computer science and engineering, has been named editor-in-chief of the Institute of Electrical and Electronics Engineers *Transactions on Pattern Analysis and Machine Intelligence*, the premier journal for publishing research in the fields of computer vision, image analysis and pattern recognition. He also will serve on the Transactions Operations Committee and the publications board of the IEEE Computer Society.

Alan Michael, multi-county agent in

ornamental horticulture and greenhouses, College of Agricultural Sciences, was the national winner in the "Grassroots and Horticulture Communications" for excellence in providing horticulture information to clientele, and received the "Certification of Commendation" for outstanding service rendered in the search for professional excellence from the National Association of County Agricultural Agents.

Harry B. Pionke, research leader for the USDA Agricultural Research Service Pasture Systems and Watershed Management Research Lab at University Park, has been named a Fellow of the Soil Science Society of America (SSSA).

Patricia Powley, Dauphin County extension director, College of Agricultural Sciences, received the Extension Home Economist of the Year Award from the National Association of Extension Home Economists. The award, the highest recognition given by the association, recognizes a professional extension home economist who is conducting outstanding educational programs that impact on family lives.

Asok Ray, professor of mechanical engineering, has been elected a Fellow of the American Society of Mechanical Engineers in recognition of outstanding achievement in the field.

Jack Schultz, professor of entomology, gave an invited lecture titled "Temperate Forest Insects: What's Up?" at the First International Selys Botanical Gardens, Sarasota, Fla.

## PROMOTIONS

### STAFF

Patricia A. Bennett, staff assistant VI in Office of The President.  
Robert C. Brewer, senior designer, Electromechanical, in Applied Research Lab.

Kelley L. Candor, assistant to the manager in Continuing Education.  
Gregory B. Casamassa, patient account assistant at Hershey Medical Center.

Nancy L. Eckenroth, staff assistant V in Continuing Education.

Elizabeth N. Edmunds, publications assistant in Continuing Education.

Patricia A. Ellenberger, staff assistant V in College of Engineering.  
Diana H. Feltenberger, staff assistant V in Research and Graduate School.

Susan M. Grey, staff assistant VI in Applied Research Lab.

Thomas A. Hoover, drafter/designer, Electromechanical in Applied Research Lab.

Amy L. Kelley, broadcast programming specialist in Continuing Education.

Donna M. Lehey, clinical head nurse at Hershey Medical Center.

Sharon L. Menzies, senior technician, Research, at The Hershey Medical Center.

Dennis L. Morrison, manager, Financial Systems, in Computer and Information Systems, Office of Administrative Systems.

Timothy G. Pierson, extension agent in College of Agricultural Sciences.

Debra A. Putt, staff assistant VI in College of Engineering.

Jackie L. Rainai, staff assistant VI at Penn State Harrisburg.

John M. Ray, assistant director, Business Services, at Penn State Mont Alto Campus.

Jeffrey A. Ritchey, contract coordinator/writer in Research and Graduate School.

Elaine C. Robinson, development assistant in Division of Development and University Relations.

Kenneth J. Rudolph, network operations engineer at Hershey Medical Center.

Carol A. Walker, administrative assistant III in Office of The President.

Gretchen L. Wallander, staff assistant VII in College of Agricultural Sciences.

Kathryn E. Watson, director of student affairs at Penn State Shenango Valley Campus.

Joanna Williams-Dovi, assistant director for admissions at Penn State Harrisburg.

Andrea R. Willard, assistant director for admissions at Penn State Harrisburg.

## TECHNICAL SERVICE

Rodney K. Barner, plumber/fitter, Renovations, in the Office of Physical Plant.

William J. Hart, lead maintenance mechanic at Penn State Great Valley.

Samuel J. Keller, maintenance worker utility in Office of Physical Plant.



## Glee Club recording

The 80-voice Glee Club and the 16-member Hi-Lo's have released "P.S. - Happy Holidays," a recording that features 23 popular and sacred selections for the holiday season. "P.S. - Happy Holidays" is available on compact disc (\$15) and cassette tape (\$10) and may be purchased at the Penn State Bookstore on the University Park Campus or in State College at the Student Bookstore, Lions Pride, Blue Train, and Encore Books and Espresso. The recording also is available in room 105 of the School of Music Building. Proceeds from the sale of the recording will benefit the School of Music's Frank Gullo Graduate Scholarship Fund and the Glee Club Tour Fund.

## Bach's Lunch

The Penn State Double Reed Ensemble, directed by Timothy Hertz, assistant professor of music, and the Bassoon Band, under the direction of Cheryl Dunn, associate professor of music, will perform in concert at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish. It is free to the public.

## Jazz ensembles

The Inner and Outer Dimensions Jazz Ensembles will perform at 8 tonight in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

Outer Dimensions, directed by Marty Boudin, will be performing compositions by Bill Potts, Frank Mantooth, Sammy Nestico and Mark Taylor. Inner Dimensions, directed by Jim Robinson, will be performing works by Bill Holman, Bob Florence, Phil Wilson and Oliver Nelson.

The performance is free to the public.

## "A Christmas Carol"

Tom M. Lentz, assistant professor of speech communication, will perform Charles Dickens' "A Christmas Carol"—his 15th annual presentation of the story—at 8 p.m. Friday and Saturday, Dec. 2 and 3, in 101 Kent on the University Park Campus. Refreshments will be provided.

The free performance has been a tradition at Penn State since Dr. Lentz arrived in 1980. The two-hour adaptation of the performance is twice as long as Dickens' own cutting. Dr. Lentz includes much of the emotion and

social commentary which Dickens chose to eliminate.

Dr. Lentz begins practicing the reading in the weeks before Thanksgiving.

"It's the vocal equivalent of the marathon, performing with one voice for two hours," he said. "But the characters are so vivid and the situations so moving, it's almost cheating to do the story."

## "The Nutcracker"

Back by popular demand, BalletMet's "The Nutcracker" returns to Eisenhower Auditorium at University Park, 8 p.m. Friday, Dec. 2, and again at 8 p.m. and 3 p.m. Saturday, Dec. 3.

The Ohio-based company brings the spirit of Tchaikovsky's classic to life with one of the most remarkable troupes of dancers in the nation. The elaborate scenery and costumes are set in Imperial Russia and were designed by Peter Home and Judanna Lynn. For ticket information, call the Eisenhower Auditorium Ticket Center, open Monday through Saturday 8:30 a.m. to 4:30 p.m., at 814-863-0255.

## Shaver's Creek

Shaver's Creek Environmental Center will offer the following public programs in December:

—Wreath-making workshops, offered the weekend of Dec. 3-4. Three identical workshops are available: Saturday, Dec. 3, from 9 a.m. to noon, and from 1 to 4 p.m.; Sunday, Dec. 4, from 1 to 4 p.m. Payment for the workshops is required by Nov. 25.

—Fireside Stories," Friday, Dec. 9, from 7 to 8:30 p.m. This evening features cider and holiday tales and legends from a variety of cultures. Children are welcome.

—Holiday Kid Craft," Saturday, Dec. 10, from 10 a.m. to noon. Designed for children ages 8 and up, this program teaches how to use natural materials to create holiday ornaments and other decorations.

Pre-registration is required for each of these programs. Fee information and registration is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons can also call their number to receive a free copy of Shaver's Creek's seasonal program guide.

## Singing Lions

The Singing Lions will present their fall and Christmas show at 8 p.m. Saturday, Dec. 3, in the Recital Hall of the College of Arts and Architecture School of Music on the University Park Campus.

The show will feature a medley of old and new melodies from Walt Disney productions and vocal versions of big band classics. The Christmas portion of the production will include an upbeat arrangement of "Deck The Halls," a novelty version of "Jingle Bells" and the Singing Lions' traditional presentation of Clement Clarke Moore's "Twas The Night Before Christmas" as arranged for Fred Waring's Pennsylvanians.

Tickets are \$3 general admission; \$2 for students-senior citizens, and will be available at the door the night of the concert.

## "Winterfest"

The combined choirs of the School of Music, and the Penn State Philharmonic Orchestra, will present "Winterfest - A Choral Celebration" at 4 p.m. Sunday, Dec. 4, in Eisenhower Auditorium on the University Park Campus.

This second production of "Winterfest" is a joyous holiday gala bringing together more than 400 talented musicians from all parts of the University Park Campus. They will be joined by faculty members Helen Manfull and Peg French, who combine their theatrical talents as co-hosts for the event.

Tickets are available from the Eisenhower Arts Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m. at (814) 863-0255. Tickets are \$7 for general admission; \$3 for students.

## Competition final round

Finalists in the Penn State Philharmonic Soloist Concerto Competition will perform in the final round of the competition at 7:30 p.m. Monday, Dec. 5, in the School of Music Recital Hall on the University Park Campus.

There will be more than 12 University students competing for the opportunity to perform with the Penn State Philharmonic Orchestra in a concert Feb. 16 in Eisenhower Auditorium. Only three winners will be chosen.

The performance is free to the public.

## Composers concert

The College of Arts and Architecture School of Music will present a concert of works by graduate and undergraduate composers at 8 p.m. Wednesday, Dec. 7, in the School of Music Recital Hall on the University Park Campus. The concert is free to the public.

## German Christmas

The Department of German is sponsoring a Christmas celebration of traditional German Christmas songs and music at 8 p.m. Wednesday, Dec. 7, in the Faith United Church of Christ, 300 E. College Ave., State College.

The public is invited to participate in singing Christmas songs. Singing will be accompanied by Tess Thompson on the piano and Carl Vozl on the violin. The program also will include traditional melodies on the recorder, as well as organ solos by Cynthia Mills, and vocal solos by Barbara Hess.

## Christmas concert

Seven voice students, under the direction of Suzanne Roy, associate professor of music, will perform a concert of Christmas songs at 12:10 p.m. Thurs-

day, Dec. 8, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The program will include selections from J. S. Bach, Tyzen Hsiao, Reger, Brahms and Schubert.

## Odyssey on WPSU

On the rest of this season's Odyssey Through Literature programs, host S. Leonard Rubinstein will discuss subjects ranging from the Japanese concept of abortion to the Viking view of women warriors.

In "The Water Child" on Dec. 7, William LeFleur, of the University of Pennsylvania, discusses the Japanese concepts of existence and identity, and how they can resolve the debate over abortion.

"The Ethical Gadfly" Stanley Fish, professor of English and law at Duke University, is featured on Dec. 14. He discusses the inability to stand outside of one's frame of reference and to see the world unwrapped by one's own values.

A repeat airing of "Blue Czech," an interview with Jiri J. Slavicek, author of *The Engineer of Human Souls* and *Dvornik in Love*, will be heard on Dec. 21.

On Dec. 28, English professor John Buck will describe how a student taught him a bold new reading of a poem he thought he knew well; "The Lesson of the Lock" is also a repeat broadcast.

A final repeat airing, "A Woman Between Two Worlds," on Jan. 4, completes the fall 1994 season. Discussing a medieval Icelandic poem, Carol Clover, of the University of California at Berkeley, shows how a woman Viking must act the male to fulfill the female.

The spring 1995 season will begin Jan. 11, with discussion of another medieval Icelandic genre, the sagas, by visiting professor John van der Westhuizen, of the University of Cape Town, South Africa.

"Odyssey Through Literature" is produced as a continuing education service of the Department of Comparative Literature in the audio studios of WPSU-TV. It airs at 7 p.m. Wednesdays on WPSU, 91.5 FM.

## Fayette Campus

"Opera People," a different kind of art exhibit, is on display at the Penn State Fayette Campus Library until Saturday, Dec. 17.

"Opera People" merges pictures and words. It teaches a bit of the lives of the great opera singers and the make art out of music and text, stage sets, and costumes. The portraits by Christian Steiner illuminate an indefinable quality that characterizes opera's leading stars and do so with a brilliance that reflects the photographer's own superior talents. His dip-like notes on the sessions with these high-powered subjects are filled with the kind of sensitive detail that reminds us that in street clothes instead of costume, international stars like Luciano Pavarotti and Beverly Sills also are real people.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, December 1

World AIDS Day Without Art, observed at Palmer Museum of Art, the School of Visual Arts, University Health Services, and HUB and Kern Art Galleries.

Sigma Xi, noon, 101 Kern. Susan Branley on "Voices; Earth's Natural Polluters."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Bassoon Band and Double Reed Ensemble.

World AIDS Day Candlelight Vigil, 5:30 p.m., campus mall gate at the intersection of College Avenue and S. Allen St., to pay tribute to those who have died of AIDS.

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Civil War Historian Gary Gallagher and host Michael Svoboda discuss three books on the battle of Gettysburg.

ContEXTS, 7:30 p.m., WPSU, 91.5 FM. Host Travis D'Nico interviews Beatriz Colonna, author of *Privacy & Publicity: Modern Architecture As Mass Media* (The MIT Press).

Engineering/Bowers Program lecture, 7:30 p.m., Assembly Room, Nittany Lion Inn. Gregory Holkinson on "The Firm's Recent Growth and the Unique Features of the Firm's Management Style."

University Resident Theatre Company, 8 p.m., Pavilion Theatre, Through Dec. 3. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Jazz II & III.

Friday, December 2

Galaxy Talk, 2:45 p.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Classic, Imperialism and Paganism: Ancient Art at the Palmer Museum."

Galaxy Coffee Hour, 4 p.m., 319 Walker Bldg. Thomas H. Eighmy on "Central Asia: Reaching Out to the World Again."

Women in Architecture, 6 p.m., 112 Walker Bldg. Felecia Davis on "The African Burial Ground."

Center for the Performing Arts, 8 p.m., Eisenhower Auditorium. The Nutcracker. Tickets required, call 863-0255. Through Dec. 3.

Speech Communication, 8 p.m., 101 Kern. Tony Lentz presents his two-hour reading of Charles Dickens' "A Christmas Carol." Also Saturday, Dec. 3.

Saturday, December 3

Film: Plunder!, 1 p.m., Palmer Lipson Auditorium.

Film: Discovering the Moches: The Forgotten Art of Chancay, 2 p.m., Palmer Lipson Auditorium.

School of Music, 8 p.m., Recital Hall. Singing. Tickets required, call 865-0431.

Sunday, December 4

School of Music, 4 p.m., Eisenhower Auditorium. Winterfest: School of Musical Choral Ensembles. Tickets required, call 863-0255.

Monday, December 5

Comparative Literature Luncheon, 12:15 p.m., 101 Kern. Iyuno Osagie on "The African Performance and Memory in Sierra Leone."

School of Music, 7:30 p.m., Recital Hall. Penn State Philharmonic Soloist Concerto Competition.

Wednesday, December 7

Radiation Science and Engineering Center, noon, 107 Carpenter Bldg. Mark Moore on "Project Lead Collins: The Search for Maryland's Founders."

School of Music, 8 p.m., Recital Hall. Student Composers' Concert.

Thursday, December 8

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice Students of Suzanne Roy will present a concert of Christmas songs.

Libri, 7 p.m., WPSU, 91.5 FM. Host Michael Svoboda and Penn State professor of biology, Carl Keener, review two books by Edward O. Wilson.

ContEXTS, 7:30 p.m., WPSU, 91.5 FM. Guest host Steven Herb will highlight the holiday season's new offerings in books for children.

School of Music, 7 p.m., HUB Ballroom. Penn State Symphonic Band.

Friday, December 9

Classes end.

Galaxy Talk, 11:30 a.m., Christoffers Lobby, Palmer Museum. Mary Linda on "Views of Ancient Peru."

Galaxy Coffee Hour, 4 p.m., 319 Walker Bldg. Lawrence W. Young Jr. on "Political Correctness: Diversity and Dignity."

Saturday, December 10

Multicultural Winter Festival, "A Celebration of Diversity," 8 p.m., Nittany Lion Inn. For tickets, call Chris Patterson, 865-1779.

Sunday, December 11

Film: Plunder!, 1 p.m., Palmer Lipson Auditorium.

Film: The Ancient Peruvian; Cuzco...In the Valley of the Incas, 2 p.m., Palmer Lipson Auditorium.

Thursday, December 15

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Christine White joins Michael Svoboda for a review of Robert Wohls's *Plastic Wombs: Abortion and the Western Imagination*, 1998-1918.

ContEXTS, 7:30 p.m., WPSU, 91.5 FM. Michael Svoboda interviews Stephen B. Goddard, author of *Getting There: The Epic Struggle Between Road and Rail in The American Century*.

Wednesday, December 21

First day of winter.

Thursday, December 22

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Michael Svoboda and Don Kuzma review *The Run of Kasch*, new book by Roberto Calasso.

ContEXTS, 7:30 p.m., WPSU, 91.5 FM. Kathryn Smith interviews Alice Rasmussen, who writes under the penname of Kate Elliott, author of *The Law of Becoming*.

Saturday, December 25

Christmas Day

Thursday, December 29

Libri, The Radio Book Review, 7 p.m., WPSU, 91.5 FM. Bill Pencak joins Michael Svoboda for a review of Eric Hoffer's *Scorned From the Life of a City: Corruption & Conscience in Old New York*.

ContEXTS, 7:30 p.m., WPSU, 91.5 FM. Interview with Pablo Medina, Cuban-American poet and writer and author of *The Marks of Birth*.

Sunday, January 1

New Year's Day

Wednesday, January 4

Arrival Day

Saturday, January 7

First Semester Commencement

Monday, January 9

Classes begin

Sunday, January 15

Martin Luther King Commemorative Dinner, 8 p.m., HUB Ballroom. Tickets required.

## PUBLIC RADIO

WPSU-FM 91.5

Morning Edition, Mon.-Fri., 6-9 a.m.

Performance Today, Mon.-Fri., 9-11 a.m.

All Things Considered, Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.

Weekend Edition, Sat. & Sun., 8-10 a.m.

Fresh Air with Terry Gross, Mon.-Fri., 4-5 p.m.

Odyssey Through Literature with S. Leonard Rubenstein, Weds., 7 p.m.

Call Talk, Fri., 7 p.m. and Sun., 6 p.m.

Living On Earth, Mon., 7 p.m.

Piano Jazz with Marlon McPartland, Mon., 8 p.m.

Thistle & Shamrock, Sun., 4 p.m.

## SEMINARS

Thursday, December 1

Econometrics/Applied Workshop, 2:30 p.m., 420 Kern. Norman Swanson on "Impulse Response Functions Based on a Causal Approach to Residual Orthogonalization in Vector Autoregressions."

Physics, 3:30 p.m., 101 Osmond Lab. Elihu Abrahams on "The Modern Many Body Problem."

Friday, December 2

Entomology, 11 a.m., 101 ASI Bldg. Eric Sachs, speaker.

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam Bldg. Pino Lomopo on "English Auctions."

Center for Gravitational Physics and Geometry, 3:30 p.m., 339 Davey Lab. David Morrison on "Is Geometry an Adequate Tool for Modeling Quantum Gravity?"

Economics, 3:30 p.m., 413 Kern. Robert Siegel on "Protection Over the Business Cycle."

Biotechnology Institute, 3:45 p.m., 110 Wartk. Janet McFall on "MRI of Plant Root Growth and Architecture."

Monday, December 5

Carbon Research Center, 9 a.m., C213 Coal Utilization Lab. John Broadhead on "Carbon Materials in Battery Technology."

Condensed Matter, 3:30 p.m., 339 Davey Lab. William Sath, speaker.

Center for Gravitational Physics and Geometry, 3:30 p.m., 113 Osmond Lab. David Spergel on "Microwave Background Fluctuations: COBE and Beyond."

Plant Pathology, 3:30 p.m., 110 Wartk. Lab. Arnold on "Bacterial Leaf Scorch of Shade Trees and Other Diseases Caused by the Xylem-limited Bacterium, *Xylella fastidiosa*."

Biotechnology Institute, 3:45 p.m., 110 Wartk. John Schiefelbus on "Analysis of Root Hair Development: Genes, Molecules, and Mechanisms."

Tuesday, December 6

Biology, 4 p.m., 8 Mueller Lab. Richard Carthew on "Differentiation and Morphogenesis in the Drosophila Eye: The Role of Cell-Cell Signaling."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Roland Leach Jr. on "Dwarfism: Improper Nutrition, Defective Genes."

Wednesday, December 7

Gerontology, noon, Kern Lobby. Viewing of posters presented at the Gerontological Society of America.

Thursday, December 8

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Louis Crane on "Four Dimensional Topological Quantum Field Theory."

School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. V. Alaric Sampson on "Building Partnerships for Ecosystem Management and Land-Ownership Landscapes."

Physics, 3:30 p.m., 101 Osmond Lab. Robert J. Goldston on "The Route to Practical Fusion Power."

History, 4 p.m., Memorial Lounge, Eisenhower Chapel. David Montgomery on "American Workers and the Free Market Utopia: Citizenship, Charity, and Self Help in the Nineteenth Century." Reception follows.

Friday, December 9

Entomology, 11 a.m., 101 ASI Bldg. Tracy Leskey, speaker.

Center for Research in Conflict and Negotiation, 1 p.m., 330 Beam Bldg. Ariel Rubinstein, speaker.

Tuesday, December 13

Outstanding Women in Geosciences, 4 p.m., 20 Hoder Bldg. Katherine H. Freeman on "Molecular and Isotopic Proxies for PaleocO<sub>2</sub>: Modern Calibration and Ancient Applications."

Thursday, December 15

Econometrics/Applied Workshop, 2:30 p.m., 420 Kern. David Ribar and Mark Wilhelm, speakers.

## CONFERENCES

Monday, December 5

Tax Week at Penn State, 40 attendees. Toltrees Report. Through Nov. 9.

Monday, December 12

PA Cooperative Directors Institute, 40 attendees. Penn State Scenic. Through Dec. 14.

Wednesday, December 14

PA Cooperative Directors Grad Program, 55 attendees. Penn State Scenic. Through Dec. 16.

Thursday, December 15

Rural Health Outreach Grant, 15 attendees, 504 ASI Bldg.

Tuesday, January 3

Ice Cream Social Through, 150 attendees. Nittany Lion Inn. Through Jan. 13.

## EXHIBITS

HUB Browning Gallery:

Ann Babin's Ovals. Through Dec. 11.

"Planet Peru. An Aerial Journey Through a Timeless Land." Through Dec. 18.

"Ancient Peruvian Ceramics" Through Dec. 18.

"Gifts to Celebrate the New Museum." Through Jan. 22.

Patterson Undergraduate Gallery:

Chris Boswell, photography. Through Dec. 9.

Artie Amusick, painting. Dec. 12-Dec. 23.

Pattee Lobby:

Original cartoon art work from the Fred Waring Collection. Through Jan. 4.

Rare Books Room:

Illustrated books from the 18th Century. Through Dec. 23.

Zoller Gallery:

School of Visual Arts Faculty Exhibition. Through Dec. 6.

Master of Fine Arts Thesis Exhibition. Through Dec. 16.

Reflections in international perspective

## Awards

### H&HD Alumni Recognition Award goes to three

The College of Health and Human Development has honored three graduates with its 1994 Alumni Recognition Award.

The award honors graduates for professional excellence and/or exemplary voluntary community involvement in the health and human development professions.



Gordon Blackburn

The recipients are Gordon Blackburn, associate staff/program director for cardiac rehabilitation in the Cardiac Function Laboratory at the Cleveland Clinic Foundation; Ann Hertzler, professor and foods and nutrition extension specialist at Virginia Polytechnic Institute and State University; and Mark McCamish, director of clinical and metabolic research at Ross Laboratories.

Dr. Blackburn, who holds a master's and doctorate in physical education from Penn State, is the first exercise physiologist to serve on the cardiology staff at the Cleveland Clinic. He was honored for his work in exercise testing, cardiac rehabilitation, experimental pacemakers, and surgical myoplasty procedures.

A member of the American College of Sports Medicine, he played a major role in establishing the ACSM's guidelines for exercise testing and prescrip-

tion, and certification of ACSM professionals. He has been a board member, journal reviewer, and editor for the American Association of Cardiovascular and Pulmonary Rehabilitation, and he is a Fellow of that organization. He also has won the Outstanding Service Award from the Canadian Heart Foundation.



Mark McCamish

Education, American Dietetic Association, and other organizations.

In addition, she works closely with home economists in Virginia Cooperative Extension and has written a number of extension publications. Her bachelor's degree is in home economics from Penn State.

Dr. McCamish holds a doctorate in nutrition from Penn State. A physician, he combines his training in medicine and nutrition in order to study the role of nutrition in AIDS, cancer, cystic fibrosis, pancreatitis, chemotherapy, radiation therapy, and pulmonary disease.

A Fellow of the American College of Nutrition and the International College of Nutrition, he also serves as clinical associate professor in the Division of Endocrinology and Metabolism at Ohio State University. He is president of the Ohio Society of Parenteral and Enteral Nutrition.

Ms. Hertzler has published extensively in rapid dietary assessment methodology, developmentally appropriate food and nutrition activities for preschoolers, and college students' food habits. She is a past member of the board of the American Home Economics Association, was a founding member of the Association for the Study of Food in Society, and has held a number of national-level committee assignments and offices in the Society for Nutrition

### Chambers Award given to dedicated pair

Susan E. Werner, financial officer, York Campus, has received the 1993 Charles R. Chambers Memorial Award and Thomas H. Corman, administrative coordinator in the Deputy Controller's Office, has received the 1994 Chambers Award.

The award was established in 1979 by the family and friends of the late Mr. Chambers who was director of accounting at the University from 1967 to 1977. It honors employees of the Controller's Office who "exhibit a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required."

Ms. Werner graduated from York College of PA in 1977 with a B.S. in accounting and began her employment with the University in 1977 as a financial officer at the York Campus, a position she currently holds.

Mr. Corman graduated from Penn State in 1969 with a BS in accounting and began his employment with the University in 1974 as a staff accountant in the Auditing Department. Previously he held the position of assistant bursar in the Office of the Bursar before being named to his current position in 1987.



Susan E. Werner



Thomas H. Corman

### Associate dean receives national society's President's Medal

Donald W. Leslie, associate dean for undergraduate studies in the College of Arts and Architecture, has received the American Society of Landscape Architects 1994 President's Medal.

The medal, one of the highest honors bestowed on members of the landscape architecture profession, is presented for Dean Leslie's "unparalleled contribution to the profession of landscape architecture through outstanding service and dedication to the American Society of Landscape Architects."

Dean Leslie has held the office of president of the Penn-

sylvania/Delaware Chapter of the American Society of Landscape Architects and served as vice president for policy of the American society of Landscape Architects. Dean Leslie, who served as chair of the ASLA Policy Committee and the Constitution and Bylaws Committee, joined the University faculty in 1971.

A registered landscape architect, he holds a bachelor of science degree in landscape architecture from Penn State and a master of landscape architecture from the University of Michigan.

### Geology professor named recipient of international honor

Alan Davis, professor of geology and director of the Coal and Organic Petrology Laboratories, has received the Reinhardt Thiessen Medal of the International Committee for Coal and Organic Petrology (ICCP).

This is only the third time since it was established in 1956 that the medal has been awarded to a U.S. researcher. In 1984, the medalist was William Spackman, Penn State professor emeritus of paleobotany.

Dr. Davis was cited for out-



Alan Davis

standing contributions as a teacher and researcher in organic petrology, especially in the development of a chemical and geological basis for the optical properties of coal macerals and their liquefaction products. A member of the University faculty since 1973, he currently is serving a four-year term as president of the ICCP, and also is chairman of the Coal Division of the Geological Society of America.

Reinhardt Thiessen, of the U.S. Bureau of Mines in Pittsburgh, for whom the ICCP's medal was named, was a pioneer in the field of coal petrology. His publications on the origin, paleobotany, and structure of coal detailed the microscopic character of a vast range of coals and related materials.



## Awards

### Pugh Professor earns national award for work in bioinorganic, bioorganic chemistry

Stephen J. Benkovic, Evan Pugh Professor of chemistry and holder of the Eberly Family Chair in Chemistry, has been selected by the American Chemical Society as the 1995 recipient of its Alfred Baker Award in Bioinorganic or Bioorganic Chemistry.

The award recognizes outstanding research accomplishments that are at the interface between biology and inorganic or organic chemistry, particularly applications of the fundamental principles and experimental methodology of chemistry to areas of biological significance.

Dr. Benkovic is perhaps best known for his quantitative analysis of how enzymes catalyze the chemical transformations of their substrates. Using a variety of physical, chemical, synthetic, and biological methodologies, he and his colleagues have delineated the sequence and relative importance of chemical steps used by various enzymes in achieving their catalytic function as well as the molecular interactions occurring within these steps.

His research has resulted in rich insights into how DNA is faithfully replicated by polymerases, how drugs inhibit various folate-requiring enzymes, and how sugar phosphates are recognized and processed by glycolytic enzymes. His analysis of the mechanism of action of catalytic antibodies, coupled with his innovative design principles, place him in the vanguard of the research effort to develop these catalysts.

A 1960 magna cum laude and Phi Beta Kappa graduate of Lehigh University with a bachelor of arts degree in English literature and a bachelor of science degree in chemistry, Dr. Benkovic earned a doctoral degree in organic chemistry with co-minors in physical chemistry and biochemistry at Cornell University in 1963. From 1964 to 1965 he was a postdoctoral research associate at the University of California at Santa Barbara.

He joined the University faculty as an assistant professor of chemistry in 1965 and was promoted to associate professor in 1967 then to professor in 1970. The University honored him with the title of Evan Pugh Professor of chemistry in 1977, holder of the University Chair in Biological Sciences in 1984, and holder of the Eberly Family Chair in Chemistry in 1986.

Dr. Benkovic is the author or coauthor of more than 307 scientific papers. He currently is a member of the Board of Reviewing Editors of the journal, *Science*, and is a member of the editorial or editorial advisory boards of 11 additional scientific journals.

### Center director elected officer by international group

Howard G. Knuttgen, director of the Center for Sports Medicine, has been elected secretary-general of the International Federation of Sports Medicine. The election took place at a meeting of the federation's council of delegates in Athens, Greece.

Founded in 1928, the federation is a worldwide organization of the national sports medicine associations of 106



Howard G. Knuttgen

countries. It works closely with the International Olympic Committee and the World Health Organization.

Dr. Knuttgen also is a past president of the American College of Sports Medicine and serves on the executive committee of the PanAmerican Confederation of Sports Medicine. He holds a faculty appointment as professor of applied physiology in the Department of Exercise and Sport Science in the College of Health and Human Development.

### McKeesport PEPP director named "1994 Black Achiever"

Darrell G. Thomas, assistant partnership director statewide for the Penn State Educational Partnership Program and program director-PEPP McKeesport, has been named a 1994 Black Achiever by *Black Opinion Magazine* of Pittsburgh.

Mr. Thomas developed and implemented several PEPP programs, including the academic skill enhancement/self-exploration program for high school levels, extended school day/latchkey program for middle school levels, and summer residential academic enrichment/cultural diversity program.

In May 1993, he received the Schools in Excellence Recognition Award for PEPP's linkage with the McKeesport Area School District. In July 1992, he received

the Council for Advancement and Support of Education (CASE) Gold Medal Award.

Mr. Thomas graduated from Penn State in 1975 with a bachelor of science degree in business administration-marketing with a minor in architecture and worked in the corporate arena for several years.

He joined the Penn State McKeesport staff as an admissions volunteer in 1987; became a Minority Advanced Placement Program recruiter in January 1988; was appointed admissions counselor in August 1988, and named director of PEPP-McKeesport in July 1989. He was named to his current position in January 1991.

### H&HD graduate recognized as "emerging professional"

The College of Health and Human Development has honored Rachel Johnson with its 1994 Emerging Professional Award.

The award honors graduates of the past six years who have shown professional excellence and/or exemplary voluntary community involvement in the health and human development professions.

Dr. Johnson, who received both her bachelor's and doctorate in nutrition from Penn State, is assistant professor of nutritional sciences at the University of Ver-

mont. She studies nutritional issues in several high-risk populations, including people with cerebral palsy; nutrition during childhood and adolescence; and the use of national nutrition surveys. Funding for her research has come from the United Cerebral Palsy Association, the U.S. Department of Agriculture, and the National Institutes of Health.

In addition to her Penn State degrees, she holds a master's of public health from the University of Hawaii.

### National society honors associate professor of logistics

Evelyn A. Thomchick, associate professor of business logistics, is the winner of the 1994 President's Award of the American Society of Transportation and Logistics for her service to both students and to the organization.

Dr. Thomchick is responsible for setting the standards for the AST&L's international transport and logistics program, developing study materials, creating exams and counseling certification candidates. She also is credited for her efforts to establish a full-time student membership program in the AST&L.

Founded in 1946, the society promotes high standards of knowledge and training in the field of logistics and transportation. Key to its efforts is the professional development program which leads candidates to the CTL (Certified in Transportation and Logistics) designation.

The AST&L President's Award is not presented annually, but solely at the discretion of the president to recognize outstanding service.

### 25-year Awards



Observing 25 years of service at the University are, from left, James Gummo, experimental maintenance mechanic in agricultural and biological engineering in the College of Agricultural Sciences; Marvin W. Sharp, assistant professor of education; and John D. Swisher, professor of education, both in the College of Education.

## Awards

### Seven from Liberal Arts honored for work

The College of the Liberal Arts has announced the recipients of the 1994 faculty awards for outstanding scholarship, teaching, and advising.

They are Daniel T. Lichter, professor of sociology, Distinction in the Social Sciences Award; Paul Cornwell, professor of psychology, and Ellen Knodt, associate professor of English at Ogonz Campus, Outstanding Teacher Award; On-Cho Ng, assistant professor of history, Outstanding Faculty Adviser Award; James Adams, instructor in English at the Penn State McKeesport Campus, and Leslie O. Bradley, lecturer in English, Outstanding Teaching Award for Non-Tenure Line Faculty; and Gerald G. Eggert, professor emeritus of American history, Emeritus Distinction Award.

Dr. Lichter was recognized for his work on the demography of the family, particularly marriage patterns and children living in poverty. His research has been supported by the National Science Foundation, the Russell Sage Foundation, the National Institute of Child Development, the U.S. Department of Agriculture, and the National Institute of Aging.

Dr. Cornwell teaches a wide range of courses, including large introductory courses, honors courses, and individualized research projects. He is noted for his thorough knowledge of the field, his commitment to teaching and to students, and his continual exploration for ways to improve his classes. His outstanding teaching and advising previously have been recognized by his having received the University's AMOCO Teaching Award, the USC Advising Award, and the College of the Liberal Arts Advising Award.

Dr. Knodt has taught writing and American literature courses at the McKeesport Campus since 1973. She has been called "among the very finest, most dedicated, and most inspiring teachers" of the faculty and a "master teacher." Dr. Knodt's teaching exper-

tise led to her being asked twice to present University-wide workshops on the teaching of upper-level writing courses. She is the author of two textbooks aimed at developing better writing skills, and she has published in the area of improving the teaching of writing.

Dr. Ng, who came to Penn State in 1989, was recognized for his outstanding contribution as an adviser known for guiding the History Department's large number of undergraduate students. Since 1990, he has served as the undergraduate officer for his department. In addition to advising about 50 students each semester, he meets with every new history major, handles the internship program for undergraduates, and meets with seniors to discuss their career goals and plans.

Mr. Adams joined the University faculty in 1969. He teaches both introductory and intermediate courses in writing, literature, and humanities. He also serves as department coordinator for English at the campus. Mr. Adams says of his approach, "A positive attitude toward learning is the foundation upon which my personal philosophy of education has been built."

Dr. Eggert, who retired in 1991 after a distinguished career in the History Department, has continued his active scholarship. Last year Penn State Press published his monograph, *Harrisburg Industrializes: The Coming of Factories to an American Community*, a significant addition to the understanding of 19th-century Pennsylvania and the impact of industrialization on American cities. Until recently, he continued to serve as secretary of the Pennsylvania Historical Association and has made significant contributions to Curtin Village and the Centre County Historical Society.

The awards are sponsored by the Liberal Arts Alumni Society.

### Assistant professor earns fellowship

Wayne R. Curtis, assistant professor of chemical engineering, has been awarded a JSPS Invitation Fellowship by the Japan Society for the



Wayne R. Curtis

Promotion of Science. The honor is part of the JSPS Invitation Fellowship program for research and includes a six-week stay in Japan as a guest of the society.

Dr. Curtis will be hosted by Shintaro Furusaki, professor of chemistry and biotechnology, University of Tokyo. He will study and travel in Japan this summer. In addition to giving seminars, he will visit laboratories and industrial research centers, concentrating on chemical production from plant tissue culture.

Dr. Curtis is an expert in that area as well as in bioreactor design and suspension rheology, and the control of growth and secondary metabolism. He is an affiliate of the Biocenter Program and the Biotechnology Institute. A 1984 chemical engineering graduate of Penn State, he received a Ph.D. from Purdue in 1988.

### Behrend professor awarded research grant

John King Gamble, professor of political science and international law at Penn State Erie, The Behrend College, has been awarded a \$73,500 grant from the Ford Foundation to study the feasibility of developing an Electronic Information System for International Law (EISIL).

Dr. Gamble plans to demonstrate how such a system could give international law teachers around the world access to a powerful and efficient educational tool, as well as to assist the World Court and the United Nations in managing their own documents. He also is committed to providing Third World countries with inexpensive access to international law and U.N. materials through EISIL, which will produce documents in both English and French.

According to Dr. Gamble, current computer access to international law is prohibitively expensive. In addition, the data often are compiled by people who don't understand the nuances of international law.

Dr. Gamble has served as principal investigator for two other Ford Foundation grants during his career. He is active in a number of professional societies, including the American Society of International Law, the International Studies Association, and the Academic Council of the United Nations System. He has written many articles for scholarly journals, and had a dozen books published, including his most recent, *Teaching International Law in the 1990s* (American Society of International Law, 1993).



John King Gamble

### Outstanding Alumna for '94 named at Fayette Campus

The Penn State Fayette Campus Advisory Board has honored Margaret Boyle Marcinke as the tenth recipient of the 1994 Outstanding Alumna Award. The award honors former Fayette Campus students whose subsequent professional achievements warrant special recognition by their alma mater.

Dr. Marcinke currently is professor and chair of the Department of Nursing at the California Univer-

sity of Pennsylvania. She attended the Fayette Campus from 1966 until 1969, the year in which she received a diploma in nursing from the Uniontown Hospital School of Nursing. She then attended the University Park Campus and received a master's of science in nursing in 1973. In 1983, she received an Ed.D. in curriculum and instruction from West Virginia

### Distinguished professor elected president of international group

Inyong Ham, distinguished professor of industrial engineering, has been elected president of the International Institution for Production Engineering Research (CIIPR) during the group's General Assembly in Singapore. He will serve until 1995.

Founded in France in 1950, CIIPR is an elite organization promoting research and international cooperation in advanced production engineering. Internationally recognized leaders in the field make up the 120 active members and 130 corresponding members from 36 countries. Membership is restricted to 15 active members from a country.

A CIIPR member for more than 20 years, Dr. Ham has been a member of the council, chaired the CAPP Working Group and organized international conferences at Penn State. He currently is visiting Seoul National University as the first recipient of the SBS Endowed Chair.



Inyong Ham



## University policies now accessible via Internet

Official Penn State documents and policies are now available on the Gopher information system and also can be accessed from the World Wide Web. Two new menu items have been added to Gopher under Penn State Information: University Document Register and University Policy Register.

The Gopher and World Wide Web information systems can be accessed at any CAC computer lab or on personal computers with the appropriate connection and software. Gopher is also available through the PSUVM mainframe system.

The University Document Register contains the following publications:

- *Associate Degree Programs Bulletin, Baccalaureate Degree Programs Bulletin, Behind College Majors, Baccalaureate Degree, Graduate Degree Programs Bulletin.* Information from the above documents also is available from the Gopher menu item "Academic Programs."

The University Policy Register contains the current official policies, along with a searching feature that enables you to look for a word in the titles and text of every policy. After you find what you need, you can save or mark the file.

The files containing program bulletins are intended for reference only and do not take the place of the official printed copy. Because the electronic form of the publication is displayed on a wide variety of machines with varying capabilities, the reader is cautioned that the format of the original document cannot always be preserved. Differences

should be expected in locations where the original text contains underscoring, bold, italics, and footnoting.

In consideration of line length and readability, the format of each major's course requirements has been changed purposely in the electronic version. When viewing majors electronically, the scheduling blocks appear to the LEFT of the course listings and indicate the Year in which the course is recommended (i.e., year 1, 2, 3, 4, 5, or, in some cases, SU for summer). In the printed version, the same information appears to the RIGHT of the course listings, and the SEMESTER in which the course is recommended is indicated by an X placed in the proper column. Because page numbers from the original text are meaningless in the electronic form, menu references have been created to facilitate on-line use of the bulletin.

For more information about how to access Gopher or the World Wide Web, see the following publications:

- *Electronic Information Access at Penn State, Internews, the Internet seminar handout, CAC Seminar Schedule, Internet Gopher User's Guide, University of Minnesota, available through the Penn State Bookstore at University Park.*

The first three publications are available at CAC Help Desks in 12 Willard Building and 215 Computer Building. To have a copy mailed to your campus address, contact Danette Yakyman at (814) 865-4757 or dxy@psu.edu. For assistance, contact the CAC Help Desk at 12 Willard Building, (814) 863-1035 or 215 Computer Building, (814) 863-2494 or send email to helpdesk@psu.edu.

## Committees named to screen potential winners of five University awards

President Thomas has appointed a general committee chaired by Billie S. Willits, assistant vice president for human resources, to review nominations for the Faculty/Staff Achievement Awards—the McKay Donkin Award, the Award for Administrative Excellence, The Barash Award for Human Service, the Staff Excellence Award, and the Penn State Equal Opportunity Award.

Five subcommittees will screen nominations and develop recommendations for the respective awards. Members are:

- McKay Donkin Award subcommittee: James M. Elliott (chair), Corinne Caldwell, Donn Frazier, Herbert Lundgren, Diane Ryan, James VanHorn and Vernis Welton.

- Barash Award subcommittee: Vicki Fong (chair), Blanné Bone, Sydney Friedman, Brent Pasquinner, Michelle Pitterle, James Purdum and Krista Waller.

- Award for Administrative Excellence subcommittee: Lydia Abdullah (chair), Douglas Ault, Alicia Bunnell, Marilyn Eastridge, Lynne Goodstein, Michael Gerber and Anne Smilowitz.

- Staff Excellence Award subcommittee: Catherine Lyons (chair), Christine Bundy, Harold Cheatham, Carol Everett, Deborah Howard, David Störmer and Elizabeth Wilson.

- Equal Opportunity Award subcommittee: Peter Weiler (chair), Steve Hayes, William Henson, Ed Hernandez, Gary Holler, Sue Rankin and Sandra Vactor.

Nominations are still being accepted for the 1995 awards, and are encouraged from University and local community organizations and individuals. Nominators should contact the Office of Human Resources at 863-4315 to request a copy of a standardized format for submitting nominations.

Please refer to the Sept. 8 Penn State Intercom article for additional information related to the awards process. Nominations should be sent to Billie S. Willits, Box 6, Rider Building. The deadline for submitting nominations has been extended to Jan. 13, 1995. Supporting information which accompanies nominations should be as brief and specific to the award criteria.

Nancy L. Herron, Penn State McKeesport Campus, and Mica C. Su, Penn State Altoona Campus.

"Consideration for the award will be given to any employee, faculty or staff, who has a record of outstanding mentoring service going beyond those requirements of his/her employment," Dr. Klevans said. "Mentoring is defined as advising, facilitating, encouraging and/or paving the way for others to recognize and realize their potential in both personal and professional endeavors."

Additional information and nomination forms are available by calling the Commission for Women office at (814) 863-1683. Nominations should be returned by Jan. 18, 1995, to: Commission for Women, Attn. Deborah Klevans, 314 Grange Bldg., University Park, PA 16802.

Contributions to help endow the award may be made payable to The Pennsylvania State University and sent to 1 Old Main, University Park, PA 16802, with an indication that contributions are to be credited to the Rosemary Schraer Fund.

## Nominations sought for Mitchell award

Nominations are being sought for the 1995 Philip Philip Mitchell Alumni Service Award.

The award is given to an alumnus, alumna, or friend of the University who has contributed generously to the enhancement, growth, development and improvement of Penn State. It consists of a specially designed certificate, a plaque prominently displayed in the Alumni Lounge with the name of each year's recipient and a cash gift to the University for a purpose designated by the recipient.

No current Trustees or Distinguished Alumni of the University are eligible for the award. Nominations should be sent by Dec. 15 to the Recognition Program, Penn State Alumni Association, 105 Old Main, University Park, PA 16802.

For nomination forms or additional information, contact Lyn Culver, Recognition Program coordinator, at (814) 865-6517.

## Nominees sought for Humanitarian Service Award by Dec. 15

The Forum On Black Affairs (FOBA) is seeking nominations for its 1995 Humanitarian Service Award annually at the 20th Anniversary Martin Luther King, Jr. Banquet, at 4 p.m., Jan. 15, 1995 in the HUB Ballroom at University Park.

The award was created in 1985 to commemorate a person who has provided outstanding service to the African American community in Pennsylvania, especially at Penn State and the Centre County region. Such service includes leadership of offices, programs or organizations developing or implementing policies impacting African Americans. The first recipient was James B. Stewart, now vice provost for educational equity and professor of labor studies and industrial relations.

To nominate a candidate, submit a letter not over two pages that describes the nominee's credentials and qualifications for the award. Attach any relevant supporting materials such as newspaper or magazine articles.

Please send all nominations and supporting materials for the Humanitarian Award by Dec. 15 to Dr. Stewart, 314 Old Main, University Park, PA 16802, telephone (814) 865-5906.

The theme for the banquet is "The Unfinished Agenda." The evening's activities include readings by Penn State students, a modern dance presentation, music by "Jazz Connection," and award presentations from the State College School District for an essay contest. The Forum on Black Affairs also will be presenting the Sterling Brown Memorial Scholarship, named for the professor, scholar, poet who had an impact on the lives on many of today's scholars and poets.

Tickets are available at the Paul Robeson Cultural Center, the Multicultural Resource Center and through the minority Resource Center at any of the colleges. Tickets are \$15 for adults, \$7.50 children 12 and under or \$125 for a table of eight.

## Commission for Women creates mentoring award to honor memory of Rosemary Schraer

The Rosemary Schraer Mentor Award has been established by the Commission for Women.

The award will be presented each spring to one or more University employees who exemplify Rosemary Schraer's giving of herself as a mentor and who have voluntarily, over a period of time, excelled in helping others recognize and achieve their potential.

Dr. Schraer had a long and distinguished career at Penn State, beginning in 1959 when she joined the faculty in the Eberly College of Science through her tenure as associate provost of the University from 1981-1985.

Upon leaving Penn State, she went to the University of California, Riverside to serve first as executive vice chancellor and then from 1987 as chancellor of the University. Dr. Schraer, who was the first woman chancellor in the University of California system, died April 10, 1992.

The Commission for Women has established a Rosemary Schraer Mentor Award Selection Committee. Deborah Klevans is committee chair. Members are Patricia Farrell and Rebecca Young, University Park Campus;

With  
your generous support, together we are making  
a difference. We can make it work with...



United Way makes it possible for Lena to attend the Easter Seal Society's summer day camp and other programs for children with special needs. The money you give makes a difference for your Centre County neighbors. Please give. With you, we can make it work.



## Private Giving

### Fayette Campus gains major nursing scholarship

In cooperation with the Uniontown Hospital Foundation, Charles Shanabarger, a long-time resident of Fayette County, has transferred a major nursing scholarship to the Penn State Fayette Campus, after the closing of the Uniontown Hospital School of Nursing.

The scholarship, which honors the memory of his wife, Helen F. Shanabarger, has an endowment value of \$124,000.

Mr. Shanabarger said he transferred the scholarship to the campus because he had great faith in its leadership and its director of nursing,

Theresa Balog.

"I also was pleased with the program when it was previously run under the guidance of the Uniontown Hospital, and I knew that by keeping it in Fayette County it would ultimately benefit the hospital and local residents," he said.

The Shanabargers were born and raised in Fayette County. Mrs. Shanabarger died in 1987 after an extended illness. Shortly thereafter, her husband endowed the scholarship at the school of nursing to express his gratitude for the care

given his wife by the nursing profession.

"Without scholarships such as these, some students may never be given the opportunity to pursue a career in health-related fields,"

August H. Simonsen, campus executive officer, said. "These scholarships will be a major factor in building a strong nursing program that will serve the people of Fayette County for many generations to come. We are grateful to Mr. Shanabarger and the Uniontown Hospital for their cooperation and generosity."



Improving communications within the Penn State academic advising community is an ongoing challenge. Now, through the use of the

PSUADMIN electronic newsgroups (E-mail bulletin boards), that challenge has become easier. Penn State faculty and staff are invited to read and post advising-related messages to the following four newsgroups: @PSUVM (PSUNEWS); psuacad-advising.announce @PSUVM (PSUNEWS); psu.acad-advising.discuss @PSUADMIN (EMC2); psu.acad-advice.post @PSUADMIN (EMC2); psu.acad-advice.chat

The PSUVM newsgroups will accommodate primarily faculty who use the Center for Academic Computing's Email system whereas the PSUADMIN newsgroups are available to staff who use the EMC2 system through the Office of Administrative Services. A message posted to an academic advising newsgroup on PSUVM also will automatically appear on the appropriate PSUADMIN (EMC2) newsgroup, and vice versa. The PSUVM.announce and the PSUADMIN.post groups are reserved for official University academic advising communications, whereas the PSUVM.discuss and PSUADMIN.chat groups are to be used for more informal conversation about various advising-related issues.

#### Guidelines

To help ensure the quality of these newsgroups, the PSUVM.announce and PSUADMIN.post groups will be reviewed by a moderator before a message is posted. The moderator will look for the presence of official University academic advising content as well as the name and address of the text steward. Postings will not remain on the bulletin board indefinitely, but will be removed after thirty days. The PSUVM.discuss and PSUADMIN.chat newsgroups will not be moderated.

#### How to Post a Message

While using EMC2, Email, or Eudora, first type the academic advising-related message and then enter the correct address. For PSUVM users, the correct address for an official University academic advising message (i.e., program and course offerings, personnel updates, service changes, policy news, etc.) is [@PSUVM](mailto:psu.acad-advising.announce). For PSUADMIN users, the correct address for posting an official advising message is [@PSUADMIN](mailto:psu.acad-advice.post). For sharing an opinion regarding an advising policy or practice, the appropriate posting address would be [@PSUADMIN](mailto:psu.acad-advising.discuss) or [@PSUADMIN](mailto:psu.acad-advice.chat), respectively. Consult the EMC2 manual or PSUNEWS Help for more specific instructions.

#### For More Information

For more information about the above newsgroups, please contact the Office of Undergraduate Information and Communications/DUS, Third Floor West, Grange Building, University Park, PA (814) 863-0828, or e-mail [WMFI@psuadmin](mailto:WMFI@psuadmin) (Bitnet) or [WMFI@psuvm.psu.edu](mailto:WMFI@psuvm.psu.edu)



## Ratings rising for University orientation process

Student customers have expressed satisfaction about their orientation to Penn State.

During June and August, approximately 4,500 new freshmen arrived at the University Park Campus. Their orientation to Penn State began eight months earlier as the Undergraduate Admissions Office provided campus tours and introductory information, and it continued through the summer and fall as new "paid accepts" participated in the Freshman Testing, Counseling and

remained relatively unchanged since 1993.

According to the 1993 and 1994 survey, new students feel positive about their orientation to Penn State at University Park Campus. A high average rating of 7.93 was given with regard to Penn State's overall effort to introduce new students to its programs, services, people, procedures, and facilities. The 1994 rating was an increase over the 7.45 rating in 1993. Again this year students expressed satisfaction with the *Preface* magazine and *Orientation Express* (an average rating of 8.14).

New freshmen seemed very confident in their decision that Penn State is the right university for them (an 8.33 average rating in '94 vs. an 8.02 average rating for '93), and they appear certain that they are headed toward the right major (average rating both years, 7.07).

Still two of the lowest ratings, although improvement is evident in 1994, are with the quality of help offered when scheduling classes (6.92 in '94 and 6.81 in '93) and their understanding of General Education requirements (6.93 in '94 and 6.52 in '93).

Finally, new students at University Park Campus show a high degree of confidence in knowing if they had a problem and needed help, it would be available to them at the University (7.84 average rating in '94 and a 7.40 average rating in '93).

The annual New Student Survey is administered by the Office of Undergraduate Information and Communications, Division of Undergraduate Studies, 304 Raming Building, University Park, PA 16802, (814) 863-0828. For more information about the survey, contact W.M. Farnsworth, assistant director, Division of Undergraduate Studies, and head of the Office of Undergraduate Information and Communications.

### **A high average rating was given to Penn State's overall effort to introduce new students to its programs, services, people, procedures and facilities.**

Advising Program (FITCAP) and other introductory orientation activities.

To assess the quality of the University's overall orientation efforts, new freshmen were asked to complete the New Student Survey, administered Sept. 6 to 16. A total of 583 students responded to this request to provide a numerical rating (on a 10-point anchored Likert-type scale with a score of 1 being a low-negative and 10 being a high-positive) for eight indicators.

The results of the 1994 survey show a marked improvement in comparison to the 1993 survey results. All quality indicators are up for 1994 with the exception of the FITCAP and Choice of Major scores which have

## Beaver Campus opens Study Learning Center

A new Study Learning Center has been dedicated at the Penn State Beaver Campus.

The Study Learning Center now houses all Student Affairs offices, including admissions, financial aid, and student services and activities.

In addition to the theatre/auditorium, the Study Learning Center also offers state-of-the-art conference facilities designed to meet campus and community needs, sixteen student organization work stations, a book store, snack bar, several student lounge and program-

ming areas, and offices for the Student Government association, the *Beaver Herald* student newspaper, and student-operated radio station WBVR.

"All of our students, staff, and faculty welcome the completion of the Study Learning Center and view it as another very positive step for the campus," Albert N. Skomra, campus executive officer, said. "We're eager to continue to provide the best educational, cultural, and social experiences possible for our students of all ages and this building will help us do that."

## National association awards University honorable mention for campus networking

Penn State has received an honorable mention award for "excellence in campus networking" from CAUSE, the association for managing and using information technology in higher education.

### **The award recognizes exemplary campus-wide network planning, management and accessibility ... as well as effective use of campus-wide networks to enhance teaching, learning and research.**

This is the second year in a row that Penn State has received an honorable mention from CAUSE. The award recognizes exemplary campus-wide network planning, management and accessibility, as well as effective use of campus-wide networks to enhance teaching, learning, research, administration and community service.

"Penn State, especially because of its statewide campus system, depends to a high degree on the use of modern net-

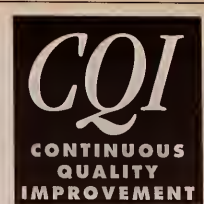
working services and technologies," Steve H. Updegrave, administrative director of Penn State's telecommunications office, said. "The CAUSE award reaffirms Penn State's preeminence as a university that is making the most of these opportunities."

Penn State and the Stevens Institute of Technology are the only institutions to receive honorable mention from CAUSE two years in a row. Other institutions receiving honorable mention awards from CAUSE this year are Stanford University, Loyola College and the University of Alberta.

In presenting Penn State's honorable mention award, CAUSE said: "Strategic planning has long been a strength of the networking activities at Penn State, and their work on a statewide 'enterprise network' is exemplary."

Mr. Updegrave said Penn State has emphasized comprehensive planning, the development of common industry networking standards, support for introduction of new services, and further leveraging of current investments in information technology.

Eighteen colleges and universities submitted applications for the 1994 CAUSE award, which was awarded at the association's conference in Orlando, Fla. Descriptions of the 18 institutions' network planning have been compiled in *Best Practices in Networking 1994*, a publication available through CAUSE. The award is sponsored by Novell, Inc., a CAUSE corporate member since 1988.



### **Transforming Education Through Quality**

Three from Penn State attended the fifth Annual Quality in Education Symposium in Salt Lake City, Utah, Nov. 2-4. Seldon Whitaker, associate professor of education and director of planning and training at the Center for Total Quality Schools, presented a paper on "TQM and Systemic Reform in K-12 Education." Clare Kristofco, assistant to the dean in the College of Engineering, and Louise Sandmyer, executive director of the CQI Center, presented "Building a Team Environment at Penn State."

### **What's the Difference?**

Major improvements resulting from efforts of the University Transcript Request CQI team include: accept fee payment via credit card; accept FAX transcript requests; significantly reduced response time for transcript requests; publicized information regarding where and how to order transcripts; empowered staff to work with the requester directly to resolve any transcript problems, and improved instructions and the Transcript Request form in the pamphlet, *How to Order an Official Transcript*.

### **CQI Center Benchmarks with the University of Michigan**

Carol Everett and Beth Meter represented the CQI Center on a benchmarking trip to the University of Michigan. The pair benchmarked the Ann Arbor Campus' quality improvement fair, M-Quality Expo, where displays representing 58 improvement teams or individual improvement projects were seen over a two-day period by nearly 2,000 visitors. They shared information with Penn State's CQI Team Fair with the organizers of M-Quality Expo.

### **Baldridge Education Pilot Criteria**

The Education Draft Criteria for the Malcolm Baldridge National Quality Award will be made available in December. For more information, please contact the National Institute of Standards and Technology, telephone: 301-975-2056.

### **Penn State/DuPont Reunion**

On Nov. 22, a reunion of Penn State students who attended the August 1993 DuPont Total Quality Workshop was held in the Nittany Lion Inn. Ted Brown and Randy Guschl from DuPont gave an update on the progress of the partnership.

## EMPLOYEE BENEFITS

A regular column provided by  
the Office of Human Resources

### Coping with the holidays

For most people the holidays are a festive and fun-filled time of the year. But they also can be a time of additional stress or worry—financial burdens, travel, social occasions and sadness.

Whether it's an added financial burden, a mad rush to visit with family and friends, many social occasions, or sadness—talking with a friend or a professional counselor may help you to relax and enjoy. The EAP, a confidential counseling service paid for by Penn State, is here to help too. You can access the EAP 24 hours a day by calling 1-800-858-2778. Employees at The Milton S. Hershhey Medical Center should call 1-800-543-5080.

Supervisory training and general employee informational sessions about the EAP are offered regularly. The Human Resource Development Center catalog lists the sections for spring semester at University Park Campus. Faculty and staff at other locations should contact the director of business services. For a complete listing of the informational sessions, call 865-3085.

### Benefit reminders

Faculty and staff members are reminded of the following:

- **Benefit Confirmation Statements** will be mailed early in December. Please review your statement carefully. Any corrections to your 1995 benefits must be noted on your statement and returned to the Employee Benefits Division on or before Dec. 7.
- **Flexible Benefits requests** for 1996 must be submitted on or before March 31, 1995. Remember that reimbursements are based on the date that the service occurred, not on the date of payment.
- **Riteon Pharmacy** will close at 5 p.m. Dec. 22 and remain closed from Dec. 23 through Jan. 2. The pharmacy will open again at 7:30 a.m. Jan. 3.
- **Pharmacy hours for the Maintenance Prescription Drug Plan** at the Hershey Medical Center are: Friday, Dec. 23—close at 3:30 p.m.; Tuesday, Dec. 27—reopen at 7 a.m.; Friday, Dec. 30—close at 3:30 p.m.; Tuesday, Jan. 3—reopen at 7 a.m.
- **HealthAmerica HMO members** are reminded that allergy serum and the injections will be a covered service beginning Jan. 1, 1995.
- **HealthAmerica announces** the following HMO Medical Provider Directory updates: Dr. J. Alfred Jones is accepting new patients to his practice. Penns Valley Medical Center is accepting new patients who are residents of the Penns Valley Area.

## Penn State to host world conference on distance education in 1995

For one week in 1997, more than 1,000 distance education leaders from around the world will gather at University Park for the 18th World Conference of the International Council for Distance Education (ICDE).

Reidar Roll, ICDE secretary general, said, "It is the responsibility and mandate of ICDE to build the bridges that are needed for sound development in open and distance learning for future growth. We are convinced that by awarding the 18th World Conference on open and distance learning to Penn State, this conference will serve as a bridge for closer involvement in this global effort of

ICDE from the whole spectrum of partners and centers of excellence in the United States. We value the important role Penn State will play in this effort, and we look forward to the outcomes of our partnership with Penn State with great expectation."

"We are honored to host an ICDE world conference on distance education," James H. Ryan, vice president and dean for Continuing and Distance Education (C&DE), said. "We value the important role these conferences play in linking distance education organizations worldwide, and we welcome the opportunity to strengthen our ties with other institutions."

The International Council for Distance Education is the only world association for open and distance learning. Founded in 1938 in the United States, it is formally affiliated with the United Nations Educational, Scientific and Cultural Organization (UNESCO) and has a permanent secretariat in Oslo, Norway. The organization is guided by an executive committee comprised of president, past president, secretary general and vice presidents representing six regions of the world: Europe, Asia, North America, Latin American and the Caribbean, Africa, and Australia/Oceania.

ICDE's world conferences are considered the primary world events for professional development in open and distance learning, as well as for international cooperation in the field.

"Because we expect between 1,000 and 1,500 people to attend the conference, a team effort is paramount," Michael E. Ostroski, director of Conferences and Institutes, said. "We have conference facilities, matrix organization, and comprehensive planning and marketing support services were key factors in our selection as a host institution. Our support matrix, which includes a dedicated Conferences and Institutes unit and professional conference planning staff, may be unique among higher education institutions."

Dr. Ostroski noted the entire campus will be mobilized for the conference. The Penn State Scenicview will be the primary site for conference events, but other facilities and service units, such as The Nittany Lion Inn, the new Jordan Center, dormitories and dining halls, as well as area hotels, will play roles in meeting conference participants' needs.

Gary E. Miller, assistant vice president for distance education, has been appointed program chairperson for the conference by the ICDE Executive Committee. He will be responsible for the conference's program content.

### University partnership provides new way to share knowledge

Penn State Continuing and Distance Education (C&DE) signed an agreement with the International Council for Distance Education that will enhance and enrich Penn State's contacts within the worldwide distance education community. James H. Ryan, vice president and dean for C&DE, has announced.

Through the new partnership, the two organizations will have opportunities to share resources, conduct joint research and disseminate new knowledge. As a result of the agreement, Penn State will be ICDE's primary institutional contact in the United States, and the University will represent ICDE in the U.S. distance education community.

University administrators have been invited to serve on key ICDE committees: the Standing Council of Presidents (SCOP), a group comprised of the presidents of distance teaching institutions worldwide; the International Multi-channel Action Group for Education (IMAGE), an inter-agency consultative and action group of organizations dedicated to providing technological assistance to developing and developed countries; the Executive Committee, the governing body of ICDE, and the committee for the 1997 World Conference.

The Penn State-ICDE partnership agreement runs through Dec. 31, 1997, and is renewable annually.

## Landscape Architecture receives \$120,000 grant for technology upgrade

The College of Arts and Architecture's Department of Landscape Architecture has received a grant of \$120,000 from the Richard King Mellon Foundation of Pittsburgh. The grant will be used to create a visual computer format that will dramatically change how governments regulate community design.

The project team is led by Kelleann Foster, with Timothy Johnson as technical lead. Both are assistant professors of landscape architecture. The team includes two Penn State alumni, Matt Graham, principal in charge of Earthw@re, and Roy Kravayak, project manager with the Allegheny County (Pa.) Planning Department. Other team members include Christopher Duerksen, a land-use attorney who is senior vice president of Clarion Associates, Inc., Denver, Colo., and Cheryl R. Towers, partner in the Pittsburgh-based Management Team, a firm specializing in helping people create positive change in their communities.

"Technology is allowing community design work to come full circle," Professor Foster said. "When zoning regulations were first introduced earlier this century, regulations were illustrated so people could better understand their intent. Ironically, as regulations got more complicated and harder to understand, illustrations

disappeared. Now, thanks to affordable, yet powerful computers, we can take all of the complex issues that go into design and zoning decisions and actually let people see what is required in their community's specific setting. This visual enhancement will improve the transparency of municipal decision makers, citizens, developers and anyone who has an interest in land use."

The grant ties into a larger effort on the part of the college to introduce new media into the curriculum and to provide hands-on examples of its use for students. "This project provides an ideal opportunity for collaboration among faculty, students, professional practitioners, civic leaders and citizens," Neil Porterfield, dean of the college, said. "It enables us to apply the most advanced visual communication methods and technologies to a practical community need."

The visual computer format will be based on standards and guidelines developed for the Three Rivers Parkway Project, an initiative of the Allegheny West Authority and the Allegheny County Planning Department. The project seeks to encourage quality development and enhance and preserve the natural landscape in the Parkway West corridor which connects the Pittsburgh International Airport to Downtown.



## FACULTY / STAFF ALERTS

### Holiday mail service

Mail Service to the University community will be suspended from 5 p.m. Thursday, Dec. 22, until 8 a.m. Tuesday, Jan. 3, 1995, due to the holiday season.

Only buildings that currently receive direct delivery from the U.S. Postal Service will be eligible to receive mail during this time. To find out if a building is eligible to receive incoming U.S. mail, please call Frank Sinclair at 865-4051 prior to Dec. 9, or check with the facilities coordinator for your academic/administrative area. Arrangements will be made with the U.S. Postal Service for eligible buildings to receive mail if so desired. Buildings that do not receive delivery will receive mail after the University resumes operation on Jan. 3.

### Interface envelopes

Mail Services requests that all excess interface envelopes be returned to 108 Business Services Bldg. in order to facilitate equal distribution to all departments. Also, please return any mail tubs that are being used for office storage. A critical shortage has occurred with these items, and your help is needed to keep these items in circulation, and to avert unnecessary expense.

### Paper price increases

Please be advised that recent changes in global economies are having a dramatic effect on the prices of paper and paper-related products. Industry-wide increases in paper prices are being experienced for all grades, weights and sizes.

As a consequence, an increase in the price of paper and paper-related products purchased through General Stores is scheduled to go into effect for the calendar year 1995. Effective Jan. 3, 1995, prices on all xerographic paper will reflect an increase of approximately 30 percent. These increased prices will result in an increase for a period of 60 days, pending negotiations with our current supplier. Prices on other types and grades will be increased to varying degrees in direct response to prices paid to suppliers.

This increase in paper prices also will impact the cost of printed material such as letterhead and envelopes. Departments may want to consider placing their orders early with Printing Services. Specialty stocks may require additional lead time. For more information call Printing Services at 865-7544.

Current General Stores pricing will hold firm through Dec. 23. General Stores encourages all user departments to order prior to this date to avoid the impending price hikes. If possible, users may consider ordering in larger than normal quantities.

For additional information regarding specific paper prices, or any other General Stores requirements, please contact Ruth Ann Witmer, manager, at 863-0317. Information on current business trends and paper pricing unrelated to General Stores may be obtained by contacting Kevin M. Stahl, buyer, Department of Purchases at 865-2567.

## Appointments

### Department of Philosophy head named

John J. Stuhr, director of the University of Oregon Humanities Center and professor of philosophy at the University of Oregon, has been appointed professor and head of the Department of Philosophy.

Dr. Stuhr's interests include American philosophy, particularly John Dewey and pragmatism; twentieth century philosophy and critical theory; and the philosophy of law, ethics, and social and political philosophy. He is the author, editor, or coeditor of eight books, including the forthcoming *Experience and Criticism: John Dewey's Pragmatism* (Vanderbilt University Press, in press).



John J. Stuhr

He is the author of *John Dewey in the Series The Giants of Philosophy* (Nashville: Carmichael & Carmichael, 1993) and editor of *Classical American Philosophy: Essential Readings and Interpretive Essays* (Oxford University Press, 1987) and *Philosophy and the Reconstruction of Culture* (State University of New York Press, 1993). Among his other publications are

three books on ethics and the professions and a book coedited with Irene Diamond, *Feminism and Foucault* (Northeastern University Press, second ed., in press). From 1977 to 1987 Dr. Stuhr was a member of the faculty of Whitman College, where he was appointed a full professor in 1986. He served as head of the Department of Philosophy from 1979-82 and 1985-87, and from 1982-85 he was head of the Division of Humanities and Arts. In 1976 he was assistant professor at the University of New England.

His numerous awards and grants include appointment on two occasions as Distinguished Visiting Lecturer, St. Petersburg State University (Russia) and Council for International Exchange (1991, 1993); Faculty Award of the Carnegie Council on Ethics and International Affairs (1992); National Endowment for the Humanities Summer Seminar on Asian Texts and Traditions grant (1991); Senior Research Scholar, University of Melbourne, Australia (1988); Mellon Foundation Research grant (1984); and Fulbright research grant for Freiburg University, Germany, in 1983-84.

Dr. Stuhr received his bachelor's degree magna cum laude with honors from Carleton College, and his master's degree and doctorate from Vanderbilt University.

### Admissions counselor at McKeesport

Richard D. Washington has been named admissions counselor at the Penn State McKeesport Campus.

## Library hours announced for finals week

During the final exam period, Pattee Library hours are extended in the Reserve Reading Room and East Pattee Library floors 1-4. During extended hours these areas are open for studying and in-house use of materials. The extended hours are:

Friday, Dec. 9 and Saturday, Dec. 10, 9 a.m. to midnight; Sunday, Dec. 11, 9 a.m. to noon and midnight to 2 a.m.; Monday, Dec. 12, through Thursday, Dec. 15, midnight to 2 a.m.; Friday, Dec. 16, 9 p.m. to midnight. Also, those public areas in Pattee Library normally open on Sunday will open early at 9 a.m. Sunday, Dec. 11.

Pollock Library will continue 24 hours of service during the final exam period until closing at 5 p.m. Saturday, Dec. 17. Pollock Library will then remain closed through Sunday, Jan. 8, and reopen on Monday, Jan. 9.

All libraries on the University Park Campus will close at 5 p.m. on Saturday, Dec. 17, and will remain closed Sunday, Dec. 18.

As former program coordinator for Project 90 Inc., he supervised all project programming, conducted individual assessments, coordinated SAT prep classes, and arranged college visits for students. As a counselor at the Vietnam Veterans Leadership Program of Pittsburgh, he worked with clients to develop long range career objectives, conducted resume workshops, and gave motivational talks.

Mr. Washington also has served as residential supervisor with the Pittsburgh Job Corps Center, executive project director with the Urban League of Pittsburgh, and as assistant manager of the Philadelphia Housing Authority.

He holds a bachelor of arts degree in administration of justice from the University of Pittsburgh.

### Hershey appoints employment manager

James E. Williams Jr. has been named employment manager at The Hershey Medical Center.

In the position, he will be responsible for directing all aspects of the employment process, including recruitment, selection and placement, while continually improving the quality of those services. Concurrently, he will be charged with advancing initiatives that will enhance the diversity of the workforce by strengthening the recruitment and retention of persons of color in the medical center community.

Prior to joining the Medical Center staff, Mr. Williams served as associate director, human resources, at the headquarters of the American Bar Association (ABA), Chicago. He also has experience in human resource management at Montgomery Ward & Co., Inc., Chicago, as well as experience in the U.S. Army, from which he retired as a colonel.

He received a B.S. from West Chester University, and an M.S. from Siena College, Loudonville, N.Y. Active in many civic organizations, he is a life member of the National Association for the Advancement of Colored People (NAACP) and Alpha Phi Alpha Fraternity, Inc.

He has received the Distinguished Alumni Award from the West Chester University Alumni Association and the Anne Hines Allen Human Rights Award from the Main Line Branch of the NAACP.



James E. Williams Jr.

During the remainder of Intercession Pattee Library hours are: Monday, Dec. 19, through Thursday, Dec. 22, 8 a.m. to 10 p.m.; Friday, Dec. 23, 8 a.m. to 5 p.m.; Saturday, Dec. 24, and Sunday, Dec. 25, closed; Monday, Dec. 26, through Friday, Dec. 30, 8 a.m. to 5 p.m.; Saturday, Dec. 31, through Monday, Jan. 2, closed; Tuesday, Jan. 3, through Thursday, Jan. 5, 8 a.m. to 10 p.m.; Friday, Jan. 6, and Saturday, Jan. 7, 8 a.m. to 5 p.m.; Sunday, Jan. 8, 1 p.m. to 5 p.m.

The Architecture, Earth and Mineral Sciences, Education, Engineering, Mathematics, and Physical Sciences Libraries hours during the remainder of Intercession are: Monday, Dec. 19, through Friday, Dec. 23, 8 a.m. to 5 p.m.; Saturday, Dec. 24, through Monday, Jan. 2, closed; Tuesday, Jan. 3, through Saturday, Jan. 7, 8 a.m. to 5 p.m.; Sunday, Jan. 8, 1 p.m. to 5 p.m.

For more information on hours of library service, call (814) 865-3063.

# BOOK SHELF

**Paul A. Blaum**, writer/editor with the Science, Engineering, and Research Communications Unit within the Department of Public Information, is author of *The Days Of The World: A History Of The Byzantine Empire*, A.D. 369-991, published by the University Press of America.

The book deals comprehensively with the struggles of two great warlords, Bardas (Vartan) Sclerus and Bardas Phocas, against the legitimate Byzantine emperor Basil II. Sclerus and Phocas belonged to a class of dynastic military aristocrats called *dynatoi* ("the powerful") who performed valuable service as generals but at the same time accumulated vast holdings in land and became virtual competitors with the emperor in Constantinople.

The conflicts involving Sclerus and Phocas formed the context for several major world events, chief of which was the conversion of Kievan Russia to Christianity in 987-989. Waged intermittently for two decades, these civil wars also blunted a hitherto successful Byzantine offensive in Muslim Syria, Lebanon, and possibly Palestine. The end result was that the First Crusade was postponed for a full century and was carried out primarily by Western Europeans, not by the Byzantines.

Armed from being a historical narrative, *The Days Of The World* is an examination of the Byzantine (i.e. Orthodox Christian) ethic of war and the workings of Byzantine diplomacy.

Gideon S. Golany, distinguished professor of urban design in the Department of Architecture, College of Arts and Architecture, is author of *The Baghdad Jewish House and the Quarter: Architecture and Living Environment*, published in Hebrew by The Babylonian Jewish Heritage Center in Israel.

The book was originally written in English and translated into Hebrew by Dr. Golany and his wife, Esther. The manuscript includes more than 140 fine-line drawings and five chapters.

The book focuses in part on design of the Baghdad House through many millennia. The design is noted for its introduction of four integrated passive cooling systems in response to the hot-dry climate to create a comfortable ambient temperature. The house combined a ventilation system, evaporative cooling system, below-ground placement of living space and natural summer high-soil humidity resulting from a high water table. Also, a diurnal and seasonal living cycle developed within the house.

"The message of my book is to make the knowledge of these integrated systems accessible so that they can be adapted to the American Southwest, Australia, and other regions with a hot, dry climate," Dr. Golany said.

*The Baghdad Jewish House* also discusses the evolving environmental and cultural impact on the neighborhood from the mid-19th century until 1952. The analysis covers the winding alleys and street forms as well as the special form of their dead-end.

**Arthur Goldschmidt Jr.**, professor of Middle East history, is the author of *The Historical Dictionary of Egypt*, published by Scarecrow Press as part of its series of African Historical Dictionaries.

Dr. Goldschmidt's systems accessible to a thumbnail sketch of Egypt's history, both ancient and modern. It is followed by an alphabetical dictionary of names, events, and themes in Egypt's history since 1750, from the Abbas Bridge Incident (a 1946 demonstration in which 20 students drowned in the Nile after the police opened a drawbridge) to Ahmad Ziwair, a royalist prime minister in the 1920s.

Included also are entries on agriculture, cotton,

feminism, labor unions, Muslim Brothers, theater, and many other subjects. A detailed bibliography is appended.

The African Historical Dictionaries Series, edited by Jon Wornoff, has proved useful to scholars and librarians.

**Martha Halsey**, professor of Spanish, is the author of a recently-published book on Spain's foremost living playwright, titled *From Dictatorship to Democracy: The Recent Plays of Buero Vallejo*.

Dr. Halsey's study of the recurrent symbol of the prison (jail cell, cayman jaws, labyrinth...) and the use of the myth of Theseus provide new perspectives on Buero Vallejo's tragedies. She draws attention to the constant allusions to immurement, entrapment and escape but also argues that the symbol of the prison carries within it the idea of reversibility: prison walls imply and exit and the writer's purpose is to show his audience this exit. This dialectic of freedom is central to Buero's work since his tragic vision never excludes hope and the prospect of change.

Dr. Halsey examines the opposing sets of symbols that often establish the dialectical structure of Buero's plays and reflect his dynamic view of history. The writer emerges not only as the intransigent realist he is usually considered to be, but also as visionary. The book is number 17 in the Ottawa Hispanic Studies Monograph Series published by Dovehouse Editions, Ottawa, Canada.

**Rangachar Kasturi**, professor of electrical engineering, is the co-editor of two books on vision systems and one on image analysis.

*Principles and Computer Vision: Advances and Applications*, edited with Lawrence O'Gorman, Information Systems Research Laboratory, AT&T Bell Laboratories, describes the technical methods used in document image analysis that have grown out of the fields of digital signal processing, digital image processing, and pattern recognition.

The book provides the reader with an understanding of the approaches used for application to the documents and how these methods apply to different situations. Each chapter identifies the major problem areas and describes methodology options for each problem, along with their advantages and disadvantages.

Dr. Kasturi has also edited two volumes, *Computer Vision: Principles and Computer Vision: Advances and Applications*, with Ramesh Jain.

The first volume describes principles, concepts and commonly used algorithms for vision systems that generate scene interpretations from image data. The second volume covering advances and applications details the latest research and technological advances on a number of topics.

All three books are published by the Institute of Electrical and Electronics Engineers IEEE Computer Society Press of Los Alamitos, Calif., and Brussels, Belgium.

**Alan M. MacEachren**, professor of geography, is co-editor with D.R. Fraser Taylor of *Cartesian Universals*, Ottawa, of a new book, *Visualization in Modern Cartography*, published by Pergamon Press.

The book explores the utilization of visualization software tools in geography, environmental studies, planning, and earth science. It has three main parts: an initial introduction to the development of geographic and cartographic visualization; a second part focusing on technological, symbolization, and user interface issues, and a final section which examines some prototype tools and their application.

Among the chapter authors are Dr. MacEachren, C.A. Brewer, assistant professor of geography, and David DiBiase and J.B. Krygiel, of the Deasy Geography Laboratory. The chapter on "Multimedia Display of Geographic Data: Applications in Earth System Science" is co-authored by David DiBiase, Catherine Reeves, Alan MacEachren, Martin Von Wyss, John Krygiel, and James Sloan of the Deasy Geography Laboratory, and Mark Detweiler, assistant professor of psychology.

*Visualization in Modern Cartography* is designed for

students of spatial sciences and professionals in such areas as cartography, urban and regional planning, geography, and earth and environmental science.

**Richard H. Mercer**, instructor in computer science at the Penn State Berks Campus, has authored the first book using an object oriented paradigm to teach basic computer science.

The book, *Computing Fundamentals with C++: Using, Modifying and Implementing Object Classes*, is the first to break ground in object oriented programming for novices.

"We're taking real world objects and trying to model them in software," he said. "Object oriented computing covers more concepts and has no more problems than other languages and other approaches."

*Computing Fundamentals* was published by Franklin, Beedle and Associates, Inc.

**Adam J. Sorkin**, professor of English at the Penn State Delaware County Campus, is co-editor with Kurt W. Treptow, of the University of Illinois, of *An Anthology of Romanian Women Poets*.

The collection gathers the work of 15 Romanian poets who worked from the second half of the nineteenth century until the current decade, ranging from outspoken dissidents under the now overthrown communist dictatorship to the (earliest born of the poets in the volume) the young German princess who wrote under the pen-name of Carmen Sylva and who became Queen Elizabeth of Romania for a nearly 35-year reign beginning with her husband's ascension to the throne in 1881 as King Carol I.

Dr. Sorkin is also joint translator (with various Romanian collaborators) of 30 of the 99 poems in the book, ten each by the major contemporary figures of Ana Blandiana, Daniela Căsanaru, and Mariana Marin.

*The Anthology of Romanian Women Poets* was published in New York by East European Monographs with the Romanian Cultural Foundation Publishing House and Columbia University Press. The book is Volume 7 in the series, *Classics of Romanian Literature*. Work on the volume was supported by research grants Dr. Sorkin received from the Fulbright Scholar Program and the International Research and Exchanges Board.

Eight Penn State Press publications have been honored as Outstanding Academic Books for 1995 by Choice Current Reviews for Academic Libraries—the most ever recognized in a single year. They are:

Miguel Angel Centeno. *Democracy Within Reason: Technocratic Revolution in Mexico*, published this October.

Catherine Craft-Fairchild. *Masquerade and Gender: Disguise and Female Identity in Eighteenth-Century Fictions by Women*.

Johann Gottfried Herder. *Johann Gottfried Herder: Selected Early Works, 1764-1767: Addresses, Essays, and Drafts, Fragments on Recent German Literature*.

Gillies Kepel. *The Revenge of God: The Resurgence of Islam Christianity and Judaism in the Modern World*.

Carol F. Levine. *The Sistine Chapel Walls and the Roman Liturgy*.

Ethan A. Nadelmann. *Cops Across the Borders: The Internationalization of U.S. Law Enforcement*.

Howard Saalman. *Filippo Brunelleschi: The Buildings*.

Gavriel Shapiro. *Nikolai Gogol and the Baroque Cultural Heritage*.

Two Penn State Press books published last year also have won awards. Allen C. Guezlo's *For the Union of Evangelical Christians: The Irony of the Reformed Episcopalians* won the 1993 Albert C. Outler Prize in Ecumenical Church History given by the American Society of Church History, and Robert T. Fallon's *Milton in Government* is the co-winner of the 1993 James Holly Sanford Award given by the Milton Society of America.



## Study Describes Cancer Cell Movement

Knowing How Cancer Behaves Could Lead to Discovery of Ways to Inhibit Tumor Cell Migration and Growth

Scientists have described some of the little-known biochemical and molecular activities in and around a cancer cell that dictate its crawling-like moves through the body to start new tumors.

Better understanding of cancer-cell movement could lead to steps to both inhibit tumor-cell migration in the body and to prevent invasion of cancer cells into tissues, said Cheng Dong, assistant professor of bioengineering in the College of Engineering.

Active-tumor-cell movement highlights cancer's invasion into other parts of the body and its rooting in previously unaffected tissues. The cells move by temporarily projecting their protoplasm forward, called pseudopod protrusion.

Dr. Dong studied the cells with Sadié Aznavoorian and Lance Liotta, cancer biologists at the National Institutes of Health. The team developed a way to view cancer-cell crawling through a microscopic glass tube called a micropipette.

"This helped us study protrusions of human melanoma cells stimulated by chemical attractants in the body," Dr. Dong said.

"We were able to observe protrusion action continuously in a single cell in suspension. To our knowledge, this is the first use of a micropipette to study dynamics of tumor-cell protrusion under conditions that affect whether protoplasm is attracted to or repulsed by a chemical stimulus."

The researchers watched the leading edge of a migrating cancer cell thrust forward in two phases as the cell moved in response to a chemical attractant found in the human body. Each phase was regulated by separate signals within the cell.

In the initial phase, a cancer cell swelled to form a convex, symmetrical, outward-reaching pouch, Dr. Dong said.

"The activity was regulated by osmotic pressure, which developed because solutions of different solute concentrations were separated by the cell's semipermeable membrane," he said.

"In this case, the semipermeable cell membrane allowed only water molecules to pass. The water moved into the solution containing the high concentration of solute molecules by the process known as osmosis."

During the second phase, the cancer cell extended in an irregular shape and proteins in the pseudopod combined to form larger molecules. These lined up into a rigid needle-like structure, somewhat similar to a metal rod reinforcement in a concrete block, that aided the cell extension. The researchers found that cell



Joe Cierro, left, and Jun You, both graduate students in Cheng Dong's lab, study cancer cells while the assistant professor looks on at right.

Photos: Greg Grieco

surface texture influenced movement.

"We observed that perfectly round cells with 'smooth'-looking surfaces never protruded pseudopods, whereas cells with more 'ruined'-looking surfaces protruded pseudopods to an extent depending upon their treatment group."

The entire movement process involved protrusion, attachment, adhesion, release of adhesion and traction.

"It appears that one way to knock off the entire process of cancer cells moving is to inhibit the initial protrusion process," he said. "And as pseudopod protrusion is a prominent feature of cell migration, understanding biochemical mechanisms regulating assembly of the cell's needle-like structure is very important and may lead to development of therapeutic agents to block this component of cancer spread."

The researchers also designed a computer simulation, consisting of a cylindrical membrane with a moving

boundary holding cancer-cell proteins, that reinforced the micropipette observations. Dr. Dong developed mathematical models to predict the two phases of cancer-cell movement based on chemical and physical properties in and around a cell.

Much of the study appeared earlier this year in the journal *Microvasc. Res.*

Although other studies had noted both osmotic pressure and protrusion phases of cell movement, they hadn't agreed on which phase came first, Dr. Dong said.

"Scientists also didn't know that the protein-based cell extension is a more active protrusion force," he said.

"Cancer wouldn't be a big deal if there wasn't a force pushing it through the body," Dr. Dong said. "But there's some sort of driver in a cancer cell, based on chemical signals, that we're trying to describe. That cell has the capability to move and it knows where to go."

"Because we can now monitor how cancer cells move over time, we hope to further figure out what factors are important in that movement and when."

Dr. Dong is currently working with the cancer biologists to see if altering cancer-cell genes affects how and when a cancer cell moves.

"Many questions remained unanswered, especially about how other chemical attractants, signals or processes affect pseudopod growth rate and appearance," he said.

— Scott J. Turner



Cheng Dong, assistant professor of bioengineering, in his lab.

## More than 4,000 students to graduate during commencement on Jan. 7

Penn State will hold 1994 Fall Commencement ceremonies for about 4,198 associate, baccalaureate and graduate-degree students in four ceremonies at the University Park Campus on Saturday, Jan. 7, 1995.

Approximately 392 students will receive associate degrees; 2,925 will receive baccalaureate degrees; 644 will receive masters degrees, and 237 will receive their doctorate.

Undergraduate ceremonies will be held in Recreation Building and graduate ceremonies will be held in Eisenhower Auditorium. The schedule of ceremonies is:

— 9:30 a.m. Undergraduate ceremonies for Agricultural Sciences, The Smear College of Business Administration, and Education. Faith A. Wohl, director of work-place initiatives at the U.S. General Service Administration, will be the speaker.

— 1 p.m. Undergraduate ceremonies for Arts and Architecture, Communications, Liberal Arts, Eberly College of Science and associate degrees. Cordell Wynn, president of Stillman College, is the speaker.

— 4 p.m. Undergraduate ceremonies for Earth and Mineral Sciences, Engineering, Health and Human Development. The speaker is Aleksander Wolsczan, professor of astronomy and astrophysics in the Eberly College of Science.

— 7:30 p.m. Graduate degree ceremonies. Gerald E. McCleary, Evan Pugh Professor of health and human development and director of the Center for Developmental and Health Genetics, will give the commencement address.

President Thomas will confer degrees at all ceremonies. Executive Vice President and University Provost John A. Brighton will preside at all undergraduate ceremonies, and John J. Cahill, vice provost and dean of undergraduate education, will present scholastic honors. David A. Shirley, senior vice president for research and graduate education, will preside at the graduate ceremonies.

Ms. Wohl joined the newly created Office of Workplace Initiatives in 1994. She oversees policy development and the implementation of child care and telecommuting centers for employees throughout the federal sector. She also designs new work/family initiatives, incorporating Vice President Gore's recommendations on making the government more family friendly.

Ms. Wohl was with DuPont for 20 years where she served as director of workforce partnering and pioneered DuPont's initiative to help employees balance family and careers. She also served as

director of Corporate Communications, Corporate Affairs and Community Affairs.

Dr. Wynn is a professional educator having been a classroom teacher, principal, college professor, dean and has been president of Stillman College since 1982. He holds degrees from Boston University, The Fort Valley State College, South Carolina State College, the University of Georgia and Howard University's Institute on Educational Management, and has received honorary degrees from The University of Alabama, Livingston University and Alma College.

He is chairman of the Presidents of UNCF Member Institutions and the board of directors of the National Association for Equal Opportunity in Higher Education and a member of the board of trustees for the University of Alabama System and Columbia Theological Seminary. He chaired the 1990 National Conference on Blacks in Higher Education and is a member of numerous other national professional and educational associations.

Dr. Wolsczan is perhaps best known for his discovery of three planets outside our solar system, which was widely published this spring. His findings will help astronomers in their efforts to understand the formation of planets, as the findings are direct evidence of planetary systems with dynamics similar to those of our own.

His findings have been published in both Nature and Science magazines, among others, and he has been awarded his homeland's highest honor, the Prize of the Foundation for Polish Science. He also is known as gifted and energetic teacher.

Dr. McCleary, who recently has been dean of the College of Health and Human Development, is the principal investigator on three major longitudinal studies. His research focuses on the interrelationships among genetics, health and development. With colleagues at Penn State and in Sweden, Dr. McCleary has been involved for the past decade in a large-scale study of a population of Swedish twins, many of whom had been separated early in life and reared apart, to assess the relative contribution of genetic and environmental influences on aging processes.

Dr. McCleary has been at Penn State since 1981. He has been director of the Institute for the Study of Human Development, associate dean for research and graduate studies in the college, chaired the Intercollege Graduate Program in Genetics and in 1990 was named director of the Program in Biobehavioral Health.



### Computer warranty information

Sometimes computer equipment needs to be serviced. For products purchased at the Microcomputer Order Center, please use the following guidelines.

\*\*\* Please check all new products immediately. \*\*\* If there happens to be a problem within the first 48 hours of receipt, return the product to the MOC. After 48 hours, the product warranty applies. Following are each companies' warranties and policies.

Apple — 1st full year warranty repair at Physical Plant Building, 865-4731. On-site warranties call (800) 538-9696. POWERBOOKS - Call (800) SOS-APPLE.

IBM — VALUEPOINT - 1 year warranty. Premium products - 3 year warranty. Full warranty service through either Physical Plant, 865-4731, or IBM (800) 426-7378 (800-IBM-SERV).

Hewlett-Packard — DESKJET/DESKWRITER products - 3 year warranty; return to Hewlett-Packard for service (209) 323-2551. LASERJET 45i, 45lms, COLOR LASER - 1 year on-site warranty, call HP. All other LASERJET products - 1 year warranty repair at Physical Plant, 865-4731.

Compaq — Desktop products - 3 year warranty; 1st year on-site, 2nd-3rd year carry in. Portable products - 3 year worldwide warranty. Monitors - 1 year limited warranty. Integrated PRESARIO models - 3 year warranty. Call 1-800-QK-COMPAQ.

Software & Other Products — Contact the Microcomputer Order Center: 12 Willard Building, University Park, PA 16802 865-2100 or (800) 251-9281 in PA FAX (814) 863-7514 E-mail: moc@psvm.psu.edu

### CARPOOLERS

Judy and Dan are looking for a rider to carpool from Hollidaysburg, Altoona, or Tyrone to University Park. Work hours are 8 a.m. - 5 p.m. Monday through Friday. Call 865-6301 or 632-8462 (Judy/home) or 942-7658 (Dan/home).

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## PENNSTATE INTERCOM

Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
E-mail: KLN1@PSU.EDU or LMR1@PSU.EDU  
Address correction requested

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# INTERCOM

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## Keepers of history

Diana Shenk, University librarian, and Ron Filippelli, labor historian, look over some of the archives donated to Penn State by the United Mine Workers of America. The documents, some of which date back to the 1890s, arrived by tractor trailer in more than 1,300 boxes.

Photo: Greg Grieco

## College of Education Ranked in the nation's top 10

The College of Education has been ranked 10th in the nation in productivity and "impact," according to a study by researchers at the University of Illinois.

Looking at the top 200 American research universities, educational psychologists Charles K. West and Younghee Rhee ranked schools of education in terms of the numbers of articles published, faculty citations in other publications, external funding, editorships of top journals, books published, and the number of scholars graduating from the ranked institutions and subsequently employed in other ranked institutions. Their study is to be published in a forthcoming issue of the journal *Contemporary Educational Psychology*.

The University of Wisconsin at Madison ranked first, followed by the University of Illinois at Champaign-Urbana, Ohio State, Stanford, Minnesota, Indiana at Bloomington, Michigan State, Columbia, Georgia, and Penn State.

"In 1977 the Carter Report — the first national study to include schools of education — ranked Penn State among the top 20 such schools in the country," said Rodney J. Reed, dean of the College of Education. "The 1994 West and Rhee study clearly indicates that we have made significant progress toward our goal of becoming second to none. Given the talent and commitment of our faculty, I am certain we will continue to move up the ladder and achieve our goal."

The second tier (11th through 20th) of ranked insti-

See "Top 10" on page 5

## Cambridge author and historian to give Jan. 17 Oswald Lecture

Jonathan Steinberg, vice master of Trinity Hall, Cambridge University in England, and a political columnist and specialist on contemporary European history, will give the 1995 John W. Oswald Lecture in Higher Education on "What is Europe?" at 5:30 p.m. Tuesday, Jan. 17, in the Palmer Museum of Art at University Park.

Dr. Steinberg also will give two lectures sponsored by the Department of History and Jewish Studies Program. He will speak on "What is Nationalism?" at 3:30 p.m. Wednesday, Jan. 18, in 102 Weaver Building, and "What is Anti-Semitism?" at 3:30 p.m. in the Frizzell Room of Eisenhower Chapel on Thursday, Jan. 19. Receptions will follow both lectures in 102 Weaver Building.

He is the author of *Yesterday's Deceit: Turpits and the Birth of the German Battle Fleet* (1985), *Why Switzerland?* (1976) and *All or Nothing: The Axis and the Holocaust, 1941 to 1943* (1990), and has translated a number of books on German history into English. *All or Nothing* deals with relations between fascist Italy and Germany especially in relation to the extermination of the Jews.

A prolific writer and frequent political commentator, Dr. Steinberg wrote a monthly column for *New Society* from 1979 to 1987 and has reviewed for *The London Review of Books*, *The Standard*, *The Financial Times* and *The Times Literary Supplement*, as well as writing radio and TV documentaries. Among these were documentaries for BBC Radio on life in a multi-lingual Switzerland, language and politics in the modernization of Italy, and a salute to the U.S. Constitution.

In 1990, he completed a series of radio interviews, "In Exile," with prominent exiles on the conditions of their homeland and the problems of adapting to a new country, and a two-part documentary, "To Wear the Crown," on monarchy in Greece and in Europe in the 1990s. He also has written program notes for the Royal Opera House.

Dr. Steinberg lectures regularly at the Royal College of Defense Studies, the Joint Services Defense College and the IBM Cambridge Summer School as well as for investment firms and universities, and has recently served as consultant to the Deutsche Bank. He gave the annual Faculty Lecture at Oxford University last year on "The Third Reich Reflected: The Failure of German Civil Government in the Occupied Soviet Union, 1941-44."

Dr. Steinberg graduated from Harvard in 1955, served two years in the U.S. Army Medical Corps, and after a period in investment banking, took his doctorate at Cambridge. He has been University Lecturer in History, fellow and director of studies in history at Trinity Hall since 1966. He was elected vice master in 1990, and in 1991 also became co-editor of *The Historical Journal*. In 1992 he served as an expert witness in a Commonwealth of Australia War Crimes prosecution and in 1993 was appointed reader in modern European history.

The Oswald Lecture was created by the Board of Trustees and is devoted to issues that concerned John Oswald, who served as Penn State's 13th president from 1970 to 1983.



Jonathan Steinberg

## NSF grant to fund program that helps boost diversity in engineering field

Environmentally conscious research and training for faculty careers will go hand-in-hand as part of a new National Science Foundation-sponsored program in the College of Engineering.

The Graduate Research Traineeships (GRT) in Environmentally Conscious Manufacturing Program, underwritten by a five-year, \$562,000 NSF grant, will bring together industry representatives, faculty and students to work on real world manufacturing problems in Penn State's Learning Factory.

An underlying goal of the program is to attract a diverse group of highly qualified and talented students into engineering faculty careers. At least half of the trainees recruited will be women, minorities and people with disabilities, individuals currently underrepresented in engineering nationwide, according to Anil Kulkarni, principal investigator of the project and professor of mechanical engineering.

Trainees will work on six specific projects in the interdisciplinary area of Environmentally Conscious Manufacturing (ECM) with mechanical engineering and industrial engineering faculty members.

"GRT graduate trainees will have a unique opportunity to work on environmentally related manufacturing projects, as they develop teaching and management skills," Dr. Kulkarni, also the mechanical engineering graduate officer, said.

Companies will help identify current problems related to the environment and manufacturing. Examples are developing plastic containers for easy recovery, producing printed circuit boards, phones and even entire computers for economically viable disassembly and component reuse; or developing innovative waste minimization technologies and strategies.

"After receiving instructional training, trainees will gain teaching, managerial and supervisory experience as they work with undergraduate student groups on environmentally conscious manufacturing design projects in the Learning Factory," Dr. Kulkarni said. "They also will work with faculty mentors to integrate environmental concerns into the undergraduate manufacturing engineering curriculum."

The program is keyed to the Learning Factory, a fully equipped, flexible manufacturing facility configured to simulate an industrial manufacturing environment. Geared toward interdisciplinary

undergraduate education, the Learning Factory is a part of the Manufacturing Engineering Education Partnership (MEEP).

"The Learning Factory is an integral element of the practice-based curriculum, providing a hands-on laboratory for direct experience in product realization," John Lamancusa, associate professor and director of the Penn State MEEP program, said. "The facilities provide a unique test bed for studying

**The program will bring together industry representatives, faculty and students to work on real world manufacturing problems. An underlying goal is to attract a diverse group of highly qualified students into engineering faculty careers.**

the environmental consequences of modern manufacturing processes on industrial grade equipment."

Participating faculty are Mechanical Engineering: Drs. Lamancusa and Kulkarni; Ashok Belegundu, associate professor; Brian Gilmore, associate professor; Andrei Jablakov, assistant professor; Kathryn Lilly, assistant professor; Industrial Engineering: Patrick Prescott, assistant professor; David Cannon, assistant professor; Raymond Regan, associate professor; Allen L. Soyster, professor and head, and Robert Voight, associate professor and director of the Penn State Metal Casting Center of Excellence.

The program keys into MEEP, a Penn State-led coalition created to develop a practice-based engineering curriculum that emphasizes the interdependency of manufacturing and design in a business environment. The Advanced Research Projects Agency's Technology Re-Investment Program provided major funding for MEEP. MEEP partners are Penn State, The University of Washington, The University of Puerto Rico-Mayaguez, Sandia National Laboratories and 24 industrial partners.

## Nominations for Fellows program being sought

The Office of the President is seeking applications and nominations for the Administrative Fellows Program for 1995-96.

Three Fellows are sought, one to serve under the mentorship of John A. Brighton, executive vice president and provost of the University, one to work under Gary C. Schultz, vice president for finance and business, and the third to serve with Robert E. Dunham, senior vice president and dean, Commonwealth Educational System.

The Administrative Fellows Program provides career development opportunities for women and minority faculty and staff. By serving under the mentorship of a senior level administrator, Fellows, who are seeking the background necessary to compete at higher levels of administration, will have an opportunity to broaden their perspectives and experience in higher education administration. Such an experience is designed to allow Fellows to become more effective in their existing positions within the University and to provide a base for them to consider further advancement in the future.

Objectives of the program include:

- To identify women and minorities who have potential for effective leadership.
- To increase the Administrative Fellows' awareness of the complexity of issues facing higher education and enhance their understanding of the environment in which decisions are made.
- To provide opportunities for Administrative Fellows to participate in a wide range of decision-making processes, learning activities, and program management so that they will be better equipped to understand the challenges of higher education administration upon completion of the fellowship.

Although completion of the program does not guarantee appointment to an academic position at the University, persons who complete the program increase the pool of women and minorities interested in pursuing careers in University administration.

The selection criteria are: Full-time faculty or staff members; demonstrated success in current positions of interest in an administrative career; evidence of leadership experience and decision-making ability; ability to relate effectively with students, faculty, and staff; and an understanding and appreciation of cultural, ethnic and individual differences; willingness to accept a wide variety of assignments.

Women and minorities meeting these qualifications at all University locations are strongly urged to apply. Each successful candidate will be placed on leave of absence from her or his current position and continue to receive a regular salary. The starting dates of each fellowship may vary depending on the office and the Fellow's commitments.

The successful Administrative Fellows will develop learning plans outlining activities for the year, in consultation with their mentors.

The program is competitive. A screening and interview committee will recommend candidates to Dr. Brighton, Mr. Schultz, and Dr. Dunham. Serving on the committee will be a representative from the Commission for Women, representatives from the offices where the Fellows will be placed, a past Fellow, and a representative from the Office of Human Resources.

Applications for the Administrative Fellows Program are available from the Office of Human Resources at 865-1387. Applications should be returned to the Office of Human Resources, Box 6, Rider Building, as soon as possible, but no later than March 1. For more information, call Robert L. Kider, at (814) 863-4606.

## Diversity Briefs

### Australian culture highlighted Jan. 26

Faculty, staff, students and members of the community are invited to join the Australian and New Zealand Studies Center Australia Day Dinner at 7 p.m. Thursday, Jan. 26, at the Autopoint Restaurant in State College.

The gala evening will feature Australian wine and food, music, readings, performances by actor Michael Bernosky, author Mary Gage and pianist Donna Coleman, which are all included in the dinner price of \$30.

Reservations for the dinner must be received by Jan. 20. Checks for the dinner are to be made payable to "Australia Day Dinner," and should be sent to 472 Boucke Building. Please supply the names of people who will be attending so that name tags can be prepared.

### Hispanic students raising funds

While many Penn Staters were cheering on the football team this fall during home games, two major Hispanic student organizations, the Puerto Rican Student Association and the Latino Caucus, were running concession stands to raise funds and provide scholarships for Hispanic students.

The Puerto Rican Student Association, which has had a stand since 1991, operates a large booth that requires over 30 workers. The stand raises over \$5,000 annually.

The Latino Caucus stand started this year. They need more than 10 workers each week, and they raise over \$1,000 this year.

In addition to scholarships, the money is used to support activities for Hispanic students, such as Puerto Rican Awareness Week and the Latino Leadership Conference.



# Remembering Martin Luther King Jr.

## ROUNDUP OF UNIVERSITY-WIDE EVENTS

A number of University locations are holding special programs in observance of Martin Luther King Day.

Among the programs being planned are:

**BEAVER:** Jack L. Daniel, associate professor of communications and vice provost for undergraduate programs at the University of Pittsburgh, will speak at a celebration at 3:30 p.m. Monday, Jan. 16. A number of faculty, staff and students will participate in the program by presenting works by and about Dr. King.

**BERKS:** Monday, Jan. 16, 1 p.m., keynote speaker, Wanda Marie Lee, assistant director of special projects at James Madison University; Tuesday, Jan. 17: 7:30 p.m., Reading Area Church choir concert (tentative); Wednesday, Jan. 18: 1 p.m., discussion, "Dr. King, The Dream, and Penn State Berks Campus: Where Do We Stand?"; Thursday, Jan. 19: Evening program presented by Residential Life.

**DELAWARE COUNTY:** The Rev. Dr. Rocky Brown, city councilman, Chester, Pa., will speak at 12:30 p.m. Monday, Jan. 16. A reception for students, faculty, staff, and the local community will follow.

**UBOHIS:** Monday, Jan. 16: 11 a.m.—2 p.m., Activities/Community Services Fair; Tuesday, Jan. 17: 11 a.m.—4 p.m., videos depicting the life and work of Dr. King; Thursday, Jan. 19: 4—7 p.m., a coffee house-style presentation featuring talented students, faculty and staff members will follow the theme, "Continuing MLK's Dream."

**PENN STATE ERIE, THE BEHREND COLLEGE:** Monday, Jan. 16: A three-day "For a King, Celebrate" commemoration begins at 7:30 a.m. with a breakfast for students, faculty, staff, and their families. A one-hour college-wide celebration will begin at 4 p.m. and will include educational skits and a performance by the Wayne Middle School Choir. At 7:30 p.m., Sam Fulwood III, *Los Angeles Times* correspondent and *Esquire* magazine columnist, will go "Behind the Rage of Black America." Following the lecture, "Vision the Unspoken Word" theater troupe from Erie's Antioch Baptist Church will perform Dr. King's "I Have a Dream" speech in mime. Tuesday, Jan. 17: 7 p.m., Celebrate in Song, featuring Erie's Greater Calvary Baptist Church Choir, Shalom Baptist Church Junior Choir, and a multi-church Revival Choir. Thursday, Jan. 19: 10 p.m., film, "Sardonia."

**FAYETTE:** Loran Mann, WPXI news anchor, will speak at a program, "Building Bridges Across the Community," at noon Monday, Jan. 16. Also featured will be a performance by the Mt. Olivet Baptist Church Youth Choir and presentation of certificates to local African-American students in recognition of outstanding performance in academics, athletics, community service, and performing arts. Tuesday, Jan. 17: Joanne Burley, campus executive officer at the Penn State McKeesport Campus, will speak. The program also will include an art, essay, and poetry contest open to area school students.

**PENN STATE HARRISBURG:** Monday, Jan. 16, noon. Valeria Harvell, instructor in Black studies at the Penn State Ogonz Campus, will discuss Dr. King's sermon, "The Drum Major Instinct."

**HAZLETON:** Monday, Jan. 16: Rabbi Lewis E. Bogage, chair of the Greater Hazleton Area Human Relations Coalition, will be joined by students, led by the Multicultural Club, faculty and staff for a panel discussion on cultural diversity. Keynote speaker will be James Chester, Penn State engineering alumnus and a member of the Northeastern Network. Music will be performed by the Mount Zion Baptist Church Junior Choir, of Wilkes-Barre.

**MCKEESPORT:** Monday, Jan. 16, 1:30 p.m. Bernadette Jeffrey Fletcher, assistant professor in the School of Social Work at the University of Pittsburgh,

will give the keynote address, Look Forward for the Next Millennium."

**OGONTZ:** Monday, Jan. 16, noon. David Bradley, professor of English at Temple University, will present the keynote address, "The View from P'ishag." John Haye, president of the Ogonz African-American Student Association, will make opening remarks. Students Jacquelyn Jackson and Zakee Clarke will act out a scene from "A Raisin in the Sun." Cindy Quintana, president of the Ogonz Latino Student Organization, will present the Campus Multicultural Award.

**SCHOYLKILL:** Tuesday, Jan. 17, 7 p.m. Lawrence W. Young, director of the Paul Robeson Cultural Center at University Park, will make a presentation titled "Shared Visions—Parallel Lives: The Peace and Freedom Mission of Paul Robeson and Martin Luther King, Jr."

**UNIVERSITY PARK:** Monday, Jan. 16, 7:30 p.m., Eisenhower Auditorium. Guest speaker: Patricia Russell-McCloud, professional officer. The program includes Penn State chorus groups and the NOMMO dance ensemble with a welcome from Vice Provost James B. Stewart and an introduction by President Thomas.

■ Monday, Jan. 16–Friday, Jan. 20: Educational activities and photographic displays on campus and in areas schools; showings of historical videos and special town-wide volunteer activities are planned throughout the week.

■ Tuesday, Jan. 17, 11 a.m. to 3 p.m. HUB Fellowship: Volunteer Fair sponsored by the Office of Student Activities, the AT&T Center for Service Leadership and the Martin Luther King Jr. Planning Committee.

— State College Borough Mayor Bill Welch will kickoff the fair with remarks at 11:30 a.m.

— More than 60 campus and community organizations and agencies will have information on their services and outreach activities.

— Mel DeYoung, lecturer in English, will lead viewers through an interactive, multi-media program on "The Letter from Birmingham Jail" by Martin Luther King Jr. It is a vivid account of the whole Birmingham Campaign, complete with video tape, news reels, photographs, newspaper accounts and personal commentary along with the actual text. Mr. DeYoung developed the program which is now used in several schools and universities.

■ Thursday, Jan. 19, 4 p.m. in 112 Kerr: "Shaped by Fire: Growing through the Civil Rights Movement." A panel discussion with Tom Poole, director of religious affairs; James Stewart, vice provost for educational equity; Daniel Walden, professor of American studies, Grace Hampton, vice provost—how involvement in the civil rights movement has shaped their lives.

■ Saturday, Jan. 21: 2–5 p.m., State College Area High School North Auditorium. Community choir Festival under the direction of Tony Leach. Choral groups from the School of Music, high school choral students from State College, Bellefonte, Penns Valley and Bald Eagle Area schools and adult choir members from local churches will celebrate the memory of Dr. King through song.

**WILKES-BARRE:** Monday, Jan. 16, 10:30 a.m. The campus and the Northeast Regional Ministry in Higher Education will host a brunch. The Rev. Dr. Iris Simpson Smith, educator, philosopher, and evangelist, will lead a discussion on "Campus and Community: The Role of Ministry." At noon, Dr. Smith will present a keynote address on "Education: The Breaker of All Barriers."

**WORTHINGTON SCRANTON:** Tuesday, Jan. 17, noon. The Rev. Dr. Iris Simpson Smith will speak on "Vision and Healing: Where Do We Go from Here?"

## Trustee honored

H. Jesse Amelle, a Penn State alumnus and vice president of the Board of Trustees, will receive the Dr. Martin Luther King Jr. Medal for Outstanding Professional Service in the field of civil and human rights at a ceremony at The George Washington University in Washington, D.C. on Jan. 18.

The Dr. Martin



H. Jesse Amelle

Luther King Jr. Medal was established by the university eight years ago to celebrate and recognize the human values embodied in the ministry of Dr. King: commitment, integration, peace,

nonviolence, conscience, personal integrity, community, and ethical or religious reflection. Past recipients have included Maya Angelou, Marian Wright Edelman, Sen. Daniel K. Inouye, Dr. Joseph E. Lowery, and Odette.

Mr. Amelle, a 1955 graduate of Penn State with a degree in political science, is senior partner and co-founder of the San Francisco-based civil litigation and public finance law firm of Amelle, Hastie, McGee, Willis & Greenlee. The firm, the largest minority owned law firm in the United States, was recently named one of the top 12 African-American-owned law firms in America by *Black Enterprise* magazine. Mr. Amelle has been admitted to practice law before the U.S. Supreme Court, the Pennsylvania Supreme Court and the California Supreme Court.

He was first elected to the Penn State Board of Trustees by the alumni for a three-year term beginning July 1, 1969, and has been re-elected to eight consecutive terms. He was elected vice president of the board in 1993 and re-elected in 1994. A member of the Penn State Alumni Association, he is past president and co-founder of the Renaissance Fund, which generates scholarships for the brightest of Penn State's neediest students. He also is a member of the University's National Development Council, its top volunteer fund-raising body.

As an undergraduate, Mr. Amelle was student body president, and was an All-American in basketball and earned an All-American honorable mention in football. He received his law degree from Dickinson School of Law in 1962, following service as an Air Force officer. He served on the Peace Corps staff in Turkey, India, and Washington, D.C., from 1963-68.

Mr. Amelle received the Humanitarian Award from Corporate Bay Area UNICEF in 1988; the Distinguished Service Award from the California Coalition Minority Bar Association in 1991, and the 1992 Distinguished American Award from the National Football Foundation and College Hall of Fame in 1992. He serves on the boards of directors of Wells Fargo & Company; WMX Technologies, Inc.; FPL Group; Eastman Chemical Corp. and Textron Corporation.

## Food science professor cited for leadership

Audrey Maretzki, professor of food science, has received the College of Agricultural Science's 1994 Diversity Achievement Award, which recognizes faculty and staff committed to fostering an environment in which diversity is understood, valued and promoted and who demonstrate leadership in the elimination of discrimination.

"Her efforts to reach the nutrition concerns of ethnically diverse and economically disadvantaged citizens to the attention of both the public and the nutrition profession are indicative of the way she expresses her concern for cultural sensitivity and her appreciation for diversity," Arun Kilara, professor of food science, said.

Over the course of her career, Dr. Maretzki has built bridges of communication to a variety of audiences. As assistant director for family living extension programs from 1985 to 1988, she managed the Expanded Food and Nutrition Education Program, which provides a crucial link between the College of Agricultural Sciences and the ethnically and culturally diverse audiences.

Dr. Maretzki also established links with other universities to promote diversity. In 1988, she set up a relationship with Tuskegee University researchers that resulted in the establishment of Tuskegee's Center for Research on Diet and Lifestyle in Rural Black Americans. In addition, she is a co-investigator for a National Institute of Health study assessing the usefulness of nutrition education materials designed specifically for urban African Americans.

African Americans.

Her work to foster diversity has an international dimension as well. Dr. Maretzki and colleagues from Tuskegee, Penn State and the University of Nairobi in Kenya, initiated a project to help low-income rural Kenyan women produce, manufacture and market toddler foods appropriate to Kenyan culture.

In 1992, Dr. Maretzki received a five-year, \$1.3 million grant from the National Cancer Institute to build community cancer coalitions in Appalachian counties in Pennsylvania, New York and Maryland. In addition, she and colleagues from Tuskegee, Prairie View University, Texas A & M University and the University of Arkansas at Pine Bluff have initiated a similar National Cancer Institute project targeting rural African Americans. As a consultant to the project, Dr. Maretzki will be able to network with several historically black universities — a crucial link for Penn State's minority recruitment program.



Audrey Maretzki

## The chilly climate for women Conscious and unconscious actions continue the problem

**B**rrr. It's cold inside

Outside, the thermometer is gradually falling toward the coldest part of winter, while inside, for some faculty, staff and students, it's always chilly.

The problem of a chilly climate, one that excludes, demoralizes, separates and fails to welcome women, is not unique to this campus, or to universities. Chilly, the chilly climate is caused by behaviors that can be changed, but frequently these behaviors are unconscious.

The problem of a chilly climate is examined in a videotape, "Chilly Climate Issues for Women in Science and Engineering," which features a presentation at University Park by Bernice Sandler, senior scholar in residence, National Association for Women in Education.

**"Thawing out the chilly climate requires long and hard looks at institutional structures, programs and policies, but it will also require individuals to assess their own behavior and change."**

Bernice Sandler  
National Association for Women in Education

VHS copies are available from the WISE Institute. Call 5-3342 to schedule a viewing of the videotape for yourself, your office, or department. Several booklets on the topic also are available through the WISE Office.

In her presentation, Dr. Sandler said many of the problems that women have in the classroom may be related to how women are treated in the classroom. Eliminating these problems means changing the climate.

Over actions, such as comments disparaging a woman's intellectual ability or topic shifts from intellectual matters to fashion, clothing or appearance when women are involved certainly still take place. However, Dr. Sandler finds the unconscious, somewhat insidious actions much more interesting and perhaps more contributory to the chilly climate problem.

While these actions may seem small and inconsequential, subliminally they send women the message that they are not welcome, not as good, not competent and not part of the group. This leads to the drop in self-esteem frequently found between the time women enter college and their senior year, she said.

Subconscious actions may be harder to recognize in the classroom, in meetings or committees, but once they are identified, it is possible to correct or change them. According to Dr. Sandler, these actions include:

— Eye contact between men and men is much

more usual than between men and women. Ensuring increased eye contact with women may take a bit more thought, but should be easily accomplished.

— Men tend to talk more, more often and longer when in formal groups. They control the topic of conversation and what they say carries more weight. Value women's comments. Make certain their thoughts and interests are considered.

— Classroom behavior also can be a problem. Men are often called on directly and asked what they think, while women are asked factual questions. Men are called on by name, often their last name, while, if women's names are used at all it is a first name or diminutive.

— Science teachers often group students in a way that indicate women are not capable in science. Grouping women together with the overt or covert implication that this will keep them from interfering or dragging the men down, or pairing them with men because women need the aid of the male partner both can undermine women's confidence. Randomly chosen groups or positive statements about the group makeup can dispel this feeling.

— Exclusionary language also makes women feel as if they don't belong. Sports analogies tend to leave more women than men confused and missing the point. Statements such as "you're a woman, you're a boy," or "suppose your wife" completely exclude women from whatever discussion follows.

According to Dr. Sandler, most teachers, whether they are male or female want to be fair.

"Most believe they are fair. The behaviors that create a chilly climate are not only committed by men, they are also committed by women faculty and other staff. And they are committed by people totally dedicated to equity. Everyone needs to reassess their behaviors and make adjustments.

"Once these acts are identified as the root of the problem, they can be corrected. Eventually old habits will be replaced by new, more gender neutral ones."

The chilly climate, she added, is not created only by teachers, but by students or senior faculty toward junior faculty, but also by peers, students to other students and coworkers and colleagues toward each other.

"When male students push female students away from a demonstration, place obscenities on computers and refer to assertive women negatively, they are creating a very chilly climate for their classmates. Jokes about women's issues in the classroom tend to trivialize and devalue women and their concerns."

Dr. Sandler believes that we have to learn how to intervene when men students behave badly to women students whether the men roll their eyes or their body language indicates disgust when a woman talks.

"Often men are unwilling to mention to other men that they are behaving inappropriately, but once one man mentions the inequity, others quickly follow," she said.

"Thawing out the chilly climate requires long and hard looks at institutional structures, programs and policies, but it will also require individuals to assess their own behavior and change."



# Earning a spot at the head of the class

Glancing at the recent survey that ranks the College of Education at the No. 10 spot in the nation, Dean Rodney Reed smiles. His college's position ahead of educational stalwarts like Harvard, UCLA and Michigan means Penn State's sixth largest academic college is well on its way to fulfilling its goal of being "second to none."

In a recent study of the top 200 American research universities, the College of Education earned a place among the elite top ten list by sticking to its mission of excellence, according to Dean Reed.

"Striving to be second to none is not just something we say," Dean Reed explained. "It's not just a motto, it's truly embedded in everything we do—just like excellence is embedded in our mission. Our aim is to be the very best college in the nation is a realistic goal."

"To be studied and compared against your peers and come out in the top 10 is quite a feat," said Roz Hiebert, director of Public Affairs for the National Association of State Universities and Land Grant Colleges.

"The training of teachers and administrators for public schools has gotten increasingly high priority in the last few years and colleges of education are answering the call," she said.

At a time when colleges of education across the country are taking a hard look at their programs and undergoing intense public scrutiny, Penn State's College of Education has already mapped out a steady course of continual improvement that is helping redefine the way students are taught.

In 1990 when Dean Reed took on the challenge of heading the College of Education, and as part of its new direction, the college reorganized into five departments: Adult Education, Instructional Systems, and Vocational and Instructional Education; Counselor Education, Counseling Psychology, and Rehabilitation Services; Curriculum and Instruction; Education Policy Studies; and Educational and School Psychology and Special Education. Offering 18 possible majors, these mutually exclusive departments boast an enrollment of nearly 4,300 students University-wide.

In those nearly five years since coming on board, Dean Reed has seen the recruitment of some of the best faculty in the nation—in his estimation, the heartbeat of the college.

"We have good solid faculty members who have been selected on the basis of their teaching abilities, as well as their research accomplishments and potential," he said. "Quite a number have experience teaching in the public school systems because we believe you can't adequately prepare others to teach if you yourself have not taught."

In addition, standards for entrance into the college's programs have also boosted the quality of the student body. A 2.5 grade point average is now required for admittance into the education major, and minority student applications are on the rise. In 1994, 12 percent of the graduate student body was minorities, while 6 percent of the undergraduate student population came from a minority background.

Not to be slighted as a significant component of the College of Education, research is highly valued and seen as the undergirding for improving teaching and learning. Since 1987 research dollars pouring into the college have increased by 253 percent.

"We have an excellent reputation nationally, as well as statewide," Dean Reed said. "Our faculty serve as leaders in their disciplines. Heads of national boards, are extremely active in national conferences and perform cutting-edge research."

As proof, the dean points to an elaborate list of advisory boards faculty members currently serve on and the publications that are edited by Penn State. In all, faculty in the college's five departments serve on 102 advisory boards, hold 24 positions as editors of journals and other education publications, and serve as



Rodney Reed, dean of the College of Education

Photo: Greg Gineco

consultants or associate editors in numerous other instances.

The college's reputation statewide is equally as impressive. Faculty are working collaboratively with schools, businesses and organizations throughout the state, to improve and reform education. Several innovative programs, initiated within the last few years, point to the faculty's commitment to increase diversity, boost interdisciplinary work, use technology more effectively, improve access to education and prepare students to be leaders in their field.

The Schools for SUCCESS program, a network of eight school districts across Pennsylvania, is a perfect example of the outreach activities undertaken by faculty. This partnership with K-12 schools is aimed at improving teaching and learning through new programs and policies.

The dean himself is a member of the Pennsylvania 2000 Board of Directors, the group responsible for developing a statewide school improvement plan for grades K-12. He is also president-elect of a national organization composed of land-grant and private institutions across the country.

Another program based at the Delaware County Campus near Philadelphia was initiated to prepare elementary and middle school teachers for urban settings. In addition, a group of key representatives from the colleges of Arts and Architecture, Agricultural Sciences, Health and Human Development, Education, the Eberly College of Science and the Liberal Arts, meets monthly with area school district superintendents and teachers to review and develop programs that will enhance University preparation programs for teachers. All of these initiatives point to the college's commitment to Penn State's land-grant mission.

"We have a major contribution to make to urban education. I think of us as a foundational college," Dean Reed said. "We are preparing individuals to be teachers, administrators and educational specialists...to make a difference in the lives of others. That's a heavy responsibility and one we take very seriously."

Over the years, the college has graduated more than 39,000 students who have gone on to be teachers, psychologists, school administrators, counselors and researchers.

In the future, the dean envisions a time when the college will be housed in one building, as opposed to the six locations where its programs can now be found. This coming-together will aid interdisciplinary work and provide for model classrooms where students can become familiar with state-of-the-art technology that they may duplicate in their own classrooms.

A lack of financial resources over the years hasn't

stopped the college's success, and Dean Reed is confident it won't stop it in the future.

"We have made it this far because the great majority of the faculty and staff here are committed and give 150 percent," he said. "This ranking survey just provides tangible evidence for what we in the college already knew. It gives us an external assessment and it's a boost to morale. That's not to say we'll stop here. We believe in continuous improvement."

## Top 10

continued from page 1

tutions include the universities of Maryland, Texas-Austin, Michigan, Arizona State, UCLA, Washington, Cal-Berkeley, Chicago, Harvard and Virginia.

Penn State's College of Education works to advance the profession of education, Dean Reed said, by preparing teachers, administrators, and other educational leaders for public and private schools K-12, colleges and universities, business and industry, and governmental and research organizations. It also provides cutting-edge research, consultation and service designed to improve the educational process across the state and nation.

The college has 40 tenure-track faculty and 4,300 students. Its alumni population exceeds 39,000.

## Top 20

U.S. SCHOOLS OF EDUCATION IN PRODUCTIVITY AND IMPACT

- |                        |                   |
|------------------------|-------------------|
| 1. Wisconsin           | 10. PENN STATE    |
| 2. Madison             | 11. Maryland      |
| 3. Illinois            | 12. Texas-Austin  |
| 4. Champaign-Urbana    | 13. Michigan      |
| 5. Ohio State          | 14. Arizona State |
| 6. Stanford            | 15. UCLA          |
| 7. Minnesota           | 16. Washington    |
| 8. Indiana-Bloomington | 17. Cal-Berkeley  |
| 9. Michigan State      | 18. Chicago       |
| 10. Columbia           | 19. Harvard       |
| 11. Georgia            | 20. Virginia      |

Source: Study by C.K. West and Y. Rhee, 1994.

## Appointments

### Schultz takes on additional roles

Gary Schultz, vice president for finance and treasurer, has assumed responsibility for the business and operations areas of the University.

Mr. Schultz assumes responsibility for areas of the University that were managed by James Wagner, who announced his retirement after 26 years of service at Penn State. He has accepted a position as vice president for administrative services at Georgetown University.



Gary Schultz

"Combining these two positions gives me the opportunity to bring additional efficiency and effectiveness to the University administration," President Thomas said. "Mr. Schultz has a great deal of experience that makes this an opportune time to reorganize various areas of the business and operations component of the University."

With this change, a number of additional areas will report to Mr. Schultz, including: Human Resources, Physical Plant, Housing and Food Services, the Nittany Lion Inn, Business Services, Safety and Environmental Services, and Purchasing.

"We are flattening the organizational structure in a way that will serve Penn State well," Dr. Thomas said.

Mr. Schultz was appointed vice president for finance in July, 1983. He has responsibility for the day-to-day operations of the University's budgeting and accounting functions of the University.

The combining of Finance and Business operations into a single integrated organization will be very positive for Penn State," Mr. Schultz said. "This change also reflects the confidence that the President has in the individuals who lead each of the units in Finance and Business."

"I look forward to working with all of them. I would also especially note the key role that William McKinnon will play in assisting me in the management of the new Finance and Business organization."

Mr. Schultz joined the University in 1971 as a systems analyst and was promoted to a variety of positions with increasing responsibility such as: director of management and systems engineering, assistant to the vice president for business, and assistant vice president for operations and services. He was named associate vice president for finance in 1982.

His degrees are a B.S. in industrial engineering with high distinction and an M.S. in industrial engineering in 1975, both from Penn State.

Among his accomplishments, Mr. Schultz is president of the Nittany Insurance Company and vice president of Penn State's Research Park Management Company and Research Park Hotel Corporation. He also is a member of the board of the Pennsylvania College of Technology and a member of the National Association of College and University Business Officers and the Association of University Related Research Parks.

In the community, he serves as treasurer of the State College Area Chamber of Commerce and is a member of the Centre Region Council of Governments.

### Harrisburg names interim provost

Theodore E. Kiffer, former associate dean for the College of the Liberal Arts, will serve as interim provost and dean at Penn State Harrisburg until a permanent replacement for Ruth Leventhal is selected. Dr. Leventhal stepped down Dec. 31 to prepare for teaching, research and service as professor of biology at The Hershey Medical Center.

"Dr. Kiffer has a long and distinguished record with Penn State. We are especially pleased that he has agreed to provide leadership for Penn State Harris-

burg during this interim period," Executive Vice President and Provost John A. Brighton said. "He is an experienced academic administrator who has earned the respect and admiration of his colleagues."

Dr. Kiffer served as associate dean for the Commonwealth Educational System in the College of the Liberal Arts for eight years prior to his retirement in July, 1991. During the last year before his retirement, he also served as the interim dean of the college. Among his other administrative posts, he has been chief academic officer and associate professor of English at the Penn State Berks Campus from 1968 to 1971.

He received his undergraduate degree in English and history at Roberts Wesleyan College and his master's and Ph.D. at Penn State.

Dr. Brighton reported that the search for a permanent replacement for Dr. Leventhal is continuing under the leadership of James H. Ryan, vice president and dean for Continuing and Distance Education, and it has narrowed the list of candidates for the second interview stage.

In addition to committee chair Dr. Ryan and Vice Provost Grace Hampton at University Park, the committee members from Penn State Harrisburg are Robert J. Bresler, head, School of Public Affairs and



Theodore E. Kiffer

professor of public policy; Jacob DeRooy, associate professor of managerial economics and statistics, Kishina S. Dirliko, director, School of Business Administration and professor of business administration; Betty C. Fortner, associate professor of education and reading; Dorothy J. Guy, manager, human resources; Alison D. Hirsch, assistant professor of American studies and history; Florence A.S. Salinger, associate librarian; Jerry F. Shoup, associate professor of engineering; graduate student Richard Miller, and undergraduate student Renee Jackson.

Dr. Brighton said that candidates will spend about one and one-half days on the Penn State Harrisburg campus. Open forums with faculty and staff will be conducted and they will be encouraged to submit written comments on the candidates. Meetings at the University Park Campus also will be included in the search process.

Candidate interviews may be completed by mid-February with an offer being extended by the end of that month. "Realistically," Dr. Brighton added, "it should be mid-spring before a new provost and dean would be in place."

### DuBois Campus gets new CEO

Dea Admiral Joseph C. Strasser has been appointed campus executive officer of the Penn State DuBois Campus, effective July 15. John A. Vargas Jr. will continue as acting campus CEO until July 15.

Dr. Strasser is president of the Naval War College in Newport, R.I., a post he has held since 1980, and as a Navy career officer has served as senior commander and staff executive in a number of positions.

As president of the Naval War College, Dr. Strasser oversaw the accreditation of a master's degree program in national security and strategic studies, the first such accredited program at the nine service colleges, and is responsible for a budget of \$22 million. During his tenure, the college realized a 25 percent growth in student body and a substantial increase in the number of women and minorities in both the student body and on the faculty.

He also instituted a strategic planning process and implemented total quality management in day-to-day operations, and was able to increase college funding for a new Maritime Research Center in a time of severe

budget reductions in the military. Students at the Naval War College are officers from all branches of the armed services and from some 50 allied nations around the globe or are civilian employees of the federal government.

Before assuming the post as college president, he was commander of Cruiser-Destroyer Group Three from 1988 to 1990, aboard a nuclear-powered aircraft carrier, and led the eight-ship battle group (a 9,000-person unit with 80 aircraft and equipment valued at more than \$15 billion) during a six-month around-the-world cruise. He also was administrative commander for 22 additional ships.

From 1986 to 1988 he was executive assistant to the chairman, Joint Chiefs of Staff, and senior member of Admiral William J. Crowe's personal staff. During this time he was a liaison with Congress, media and world leaders in issues of national security, and traveled extensively throughout the world.

Among his other recent posts, he was a commander of Destroyer Squadron Thirty-Five, executive assistant to the Commander-in-Chief Pacific and battalion officer, U.S. Naval Academy, where he also taught a course in leadership and served on the Academy Admissions Board. Dr. Strasser graduated from the U.S. Naval Academy in 1963 with a bachelor's degree in electrical engineering, and was commissioned an ensign. He received a master's degree in international relations (1969), a master's degree in international law and diplomacy (1970) and a doctorate in political science (1971) from the Fletcher School of Law and Diplomacy at Tufts University.

### Director takes post at Behrend

Ngzi Ukeje-Mboto has been named director of educational equity programs at Penn State Erie, The Behrend College.

She is responsible for providing programs and services promoting the academic success of students of color as well as students with physical and learning disabilities. She also is responsible for retention efforts for under-represented groups.



Ngzi Ukeje-Mboto

Ms. Ukeje-Mboto previously was the assistant director of the student center administration and management at Rutgers University in New Jersey. She also has served as assistant director of career services minority outreach at Rutgers. Prior to her positions at Rutgers, she worked as a career adviser at Middlesex County College, New Brunswick, N.J.

She holds an M.S. in industrial relations and an M.S. in industrial management from the State University of New York. She is an active member of the Association of College Unions International, and holds membership in both the National Association of Female Executives and Minority Women in Higher Education.



Joseph C. Strasser



## Appointments

### Acting dean of Graduate School named

William D. Taylor, director of the Intercollegiate Research Program and professor of biophysics, has been appointed acting dean of The Graduate School. He will continue as director while taking on the duties of Barbara Shannon, who has been named dean of the College of Health and Human Development.

"William Taylor is an accomplished scientist who has had considerable experience as an administrator," David A. Shirley, senior vice president for research and graduate education, said. "We are pleased he has agreed to take on these additional duties while we conduct a search for a new dean of The Graduate School."

A specialist in the study of radiation effects, Dr. Taylor is primarily interested in the molecular responses of organisms to radiation and chemicals that sometimes lead to cancer.

As director of the Intercollegiate Research Programs since 1991, he oversees the administration and direction of 15 cross-disciplinary research centers, including the Applied Research Laboratory, Australian-New Zealand Studies Center, Biotechnology Institute, Center for Applied Behavioral Sciences, Center for Cell Research, Center for the Study of Higher Education, Environmental Resources Research Institute, Institute for the Arts and Humanistic Studies, Health Physics Office, Institute for Policy research and Evaluation, Laboratory Animal Resources Program, Particulate Materials Center, Pennsylvania Transportation Institute, and the Population Research Institute. He also serves as acting director of the Intercollegiate Materials Research Laboratory.

In addition, he has served as acting director of the Biotechnology Institute, associate dean for research and graduate education in the Eberly College of Science, chairman of the Molecular and Cell Biology Programs, and head of the Department of Biophysics. He also has been a visiting scientist at the Biochemistry Institute, German Cancer Research Centre in Heidelberg, Germany, and the Imperial Cancer Research Fund Laboratory in London, England.

Dr. Taylor received his bachelor of science degree with honors in chemistry from Manchester University in England and his doctorate in physical chemistry, also from Manchester. He joined the University faculty as an assistant professor in 1963, and has served on numerous college and university committees, including a term as chair of the Faculty Senate.

He is a member of the Radiation Research Society, Biophysical Society, American Society for Photobiology, American Society of Biological Chemists, Ameri-

can Society for Microbiology and the American Association for the Advancement of Science.

### EOC director appointed

Alice M. Jones has been named director of Penn State's Educational Opportunity Centers with established sites at the University's Fayette and DuBois campuses and the main office at the McKeesport Campus. The Allegheny County EOC was established in 1991 at the McKeesport Campus.

Ms. Jones holds a bachelor of arts degree in social and behavioral science and a master's degree in education from Penn State.

Before joining the Penn State system, she was employed by Community College of Allegheny County South Campus with the Occupational Outreach, Guidance and Counseling Program and served as a counselor at Womenspace, a domestic violence shelter.

Penn State's Educational Opportunity Center programs are funded by a grant from the U.S. Department of Education and sponsored by Penn State. The EOC provides information about financial and academic assistance available to people interested in pursuing postsecondary education.

### Development writer comes on board

Mary Kay Hoft of Philadelphia has been named a development writer in the Office of Development Communications and Special Projects.

She will write and edit fund-raising brochures, produce, and other publications, including *Philanthropic Update*. Ms. Hoft also will be responsible for gift publicity tracking, a system that ensures the timely public announcements of major gifts to the University.

She will report to Michael Bezilla, managing director of development communications office, and to Roger Williams, assistant vice president and executive director of University Relations.

A State College native, Ms. Hoft received her bachelor's degree in English from Penn State in 1986. She was an account executive from 1987 to 1994 at The Weightman Group in Philadelphia. She managed accounts that included Scott Paper, Tidy Cat, and TastyKake. Prior to joining The Weightman Group, she worked as a customer service manager for Macy's department store in New York.

### Brill professor named

Susan M. Quier, widely recognized for her work on modern literature and feminist studies, has been selected as the first scholar to hold the position of Brill

Professor of women's studies and English in the College of the Liberal Arts.

Dr. Quier previously was associate professor and acting chair of the Women's Studies Program at the State University of New York at Stony Brook. She had served as associate provost at Stony Brook from 1986-1989.

Dr. Quier's latest work, tells a forgotten history to the current debates over reproductive technology,

interweaving literature and science. It retrieves some of that history by analyzing the literary and popular science writings of Julian and Aldous Huxley, J.B.S. and Charlotte Haldane, and Naomi Haldane Mitchison—writings that include representations of reproductive technologies from babies in bottles to surrogate mothers.

Susan M. Quier

An earlier book, *Virginity Wolf and London: The Sexual Politics of the City* (North Carolina Press, 1985), by placing Woolf's work within cultural history and geography, revealed the connections between urban spaces and the writer's feminist imagination. Dr. Quier has edited and coedited two anthologies.

Dr. Quier was Phi Beta Kappa and received her B.A. degree in English from Princeton University and her Ph.D. with distinction from Stanford University. She was granted a Fulbright Senior Research Scholar Award to Melbourne, Australia, in 1990-91, served as a Visiting Distinguished Fellow at LaTrobe University, Melbourne in 1992, and as an Honorary Research Fellow at University College, London. She also has been granted a Visiting Research Fellowship by the University of Edinburgh's Institute for Advanced Studies in the Humanities. She is a board member and past president of the Virginia Woolf Society.

The Brill Professorship is named for Julia Gregg Brill, the first woman member of the faculty of the English Department. Miss Brill taught at Penn State from 1922 to 1954 and for many years was the vocational adviser to women students. Miss Brill was the first Penn State "Woman of the Year" (now the Distinguished Alumni Award), and was the first woman to receive the Lion's Paw Medal, to serve on the board of directors of the Penn State Foundation, and to be a member of the Alumni Council.

The funding for the professorship came from gifts by the women members of the Penn State Board of Trustees; from fund raising by the University's Commission for Women and members of Miss Brill's sorority, Alpha Chi Omega; and from alumnae, alumni, and friends of the college.

## Committee appointed to identify candidates for assistant v.p. for physical plant

A Search and Screening Committee has been appointed to identify candidates for the position of assistant vice president for physical plant. The committee members are Veronica Burns-Lucas, Jack Kne, George McMurtry, Rachel Miller, Betty Roberts, H. Herbert Schmidt, and David Stormer, chair.

The assistant vice president for physical plant is responsible to the vice president for financial and business for providing effective and efficient leadership to the Physical Plant organization, including maintenance and operations, utilities, facilities management, engineering, facilities planning, design, and construction management.

The University's physical plant consists of approximately 1,200 buildings with over 18 million square feet of space. There are over 900 staff members in the

Office of Physical Plant. Approximately 70 percent of the facilities are located at University Park, with the others at 21 major locations throughout the Commonwealth.

Applicants and nominees should have a successful record of progressively more responsible positions; successful experience in directing others; excellent interpersonal, written, and oral communication skills; strong team management abilities, evidence of innovation and creativity in previous employment; a strong commitment to customer service; sensitivity and ability to work cooperatively with diverse groups; and a commitment to quality improvement concepts.

The position requires a degree in an appropriate area of specialization and eight to ten years of progressively responsible experience in college or uni-

versity physical plant administration and/or similar experience in the private sector. Preference will be given to applicants and nominees who have comparable experience in a major institution of higher education.

Applications and nominations, accompanied by a cover letter, resume, and the names, addresses, and phone numbers of three references should be mailed to the Chair of the Search and Screening Committee, Assistant Vice President for Physical Plant, Rider University, P.O. Box 6-PSI, 120 S. Burrows St., University Park, PA 16801. The Search and Screening Committee will begin to review resumes immediately, and will accept applications and nominations until the position is filled.



William D. Taylor



Mary Kay Hoft

# The Arts

AT PENN STATE

## Saxoholics Anonymous

Saxoholics Anonymous, a saxophone quartet, will perform in concert for the first Bach's Lunch of the spring at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by



the College of Arts and Architecture School of Music and the University Lutheran Parish.

Members of the quartet are Susan Kearney, Kyle Glaser, Chris Garrow and Ross Enders, undergraduate saxophone majors in the School of Music. The group will perform "Quartet for Saxophone," a three-movement work by Jean Jean, a 20th-century French composer.

## Medieval exhibition

The exhibit, "Medieval Art in America: Patterns of Collecting 1800-1940," will begin a national tour after its initial showing at the Palmer Museum this month.

"Medieval Art" is the first exhibition to present an analytical overview of the collecting of western medieval art in America from 1800 through the beginnings of World War II in 1940, the date of the first comprehensive show of medieval art in America. Elizabeth Smith, associate professor of art history, will be the guest curator for the show.

"Medieval Art in America" is partly funded by a \$50,000 grant from the National Endowment for the Arts. The grant will help support the exhibition.

The taste of medieval art collectors is explored through the presentation of approximately 100 objects ranging from stained glass panels to ivory and stone sculptures from the most important medieval art collections in the United States. Works from The Metropolitan Museum of Art, New York City; The Walters Art Gallery, Baltimore; The Harvard University Art Museums, Cambridge, Mass.; and The Glencairn Museum, Bryn Athyn, Pa., are included in the exhibition.

The exhibition is divided into three chronological sections, corresponding to the major periods identified in the history of medieval collecting: the 19th Century, the years 1900-1918, and the years 1919-1940. Within these

major divisions the objects are organized into three groups addressing particular issues of collectors. The accompanying didactic panels include numerous period photographs and background illustrations to recreate the cultural and intellectual environment in which the objects were acquired.

Participating lenders include the Metropolitan Museum of Art, the Walters Art Gallery, the Fogg Art Museum, the Princeton University Art Museum, the Glencairn Museum and other institutions. The exhibition will be shown at the Palmer Museum of Art through February, and will travel to two other venues after that.

## Undergraduate recital

Eleven undergraduate students who played outstanding juries last fall will perform in the College of Arts and Architecture School of Music jury recognition recital at 8 p.m. Wednesday, Jan. 18, in the School of Music Recital Hall on the University Park Campus.

The performers are students of Dan Armstrong, Kim Cook, Marylene Dosse, Richard Kennedy, Mark Lusk, James Lyon, Suzanne Roy, Steven Smith, Eileen Yarrison and Dan Yoder, all faculty of the School of Music.

The recital is free to the public.

## Computer-based exhibition

"An Interaction Garden," an exhibition of computer-based installation by sculptor George Shortess, will be on display from Jan. 16 to Feb. 16 in Freyberger gallery at the Penn State Berks Campus.

Dr. Shortess creates interactive environments using sculptural forms integrated with sensors and computers. He creates a link with the inner and outer spaces of the gallery and challenges the perceptions of the viewer.

Dr. Shortess is a former professor at Lehigh University, where he taught courses on the relationships between visual perception and the arts. He also served as a visiting artist at Bloomsburg University. He received his doctorate in sensory psychology and physiology from Brown University.

A public reception will be held at 2 p.m. Sunday, Jan. 22, in Freyberger Gallery.

# Rembrandt and his followers

*Palmer Museum exhibits feature the master's works, as well as those who imitate his style*

Aptekar and 60 etchings from Pittsburgh artist Leonard Leibowitz.

The exhibitions running simultaneously at the museum, part of the College of Arts and Architecture, will offer a unique look at the master and two contemporary artists who take Rembrandt's work onto another plateau. The flagship exhibition, "Rembrandt Etchings: Selections from the Carnegie Museum of Art," offers masterpieces such as "The Hundred Guilder Print," "The Three Trees," "The Goldweaver's Field," and "The Crucifixion."

"The breadth of technical inventiveness, stylistic finesse and insightful narrative in these etchings has no equal in the entire history of printmaking," Dr. Arbitman said. "Not surprisingly, Rembrandt's artistic genius inspired centuries of copyists including notables such as Eugene Delacroix and even Vincent Van Gogh."

"But don't think that the contemporary art works are just copies of the master," she added. "As you will see in the exhibit, 'Looking Forward, Looking Back: The Etchings of Leonard Leibowitz,' Leibowitz has not used the master as a crutch, but as a springboard. His 'contemporary' etchings, often modernized with aquatint techniques unknown to Rembrandt, reflect the breadth of his imagination. Some of Leibowitz' prints are a wonderful hybrid of Rembrandt-inspired costumes and models lifted from obituary photographs in *The New York Times*."

"Searing commentary on contemporary events also makes it way into his art. Chilling depictions of Rwanda and Somalia derived from the daily news, while visions of Vietnam and the Holocaust have festered longer in the artist's psyche," Dr. Arbitman said. "No artist, not even an unrivaled master like Rembrandt, could have provided the prototype for these haunting images. They come from the heart."

The painter Ken Aptekar also begins with Rembrandt, but he creates Old Master paintings with a punch, as seen in the exhibit "Rembrandt Redux: The Paintings of Ken Aptekar."

While he begins by painting large-scale copies of well-known Rembrandt works, some of which are masterpieces of Western art, Mr. Aptekar jettisons whatever traditional notions surround these images and presents, instead, a view that is often wickedly hilarious.

Long after Rembrandt's death in 1669, his followers continued to paint, etch and draw in style, according to the museum director.

"In artists like Leibowitz and Aptekar, the tradition not only continues, but is enriched," she added. "Students who have set their sights on becoming artists, could learn from this combination of exhibitions. Rembrandt, it seems, could still teach them a thing or two."

The "Rembrandt Etchings: Selections from the Carnegie Museum of Art" exhibition is organized by the American Federation of Arts and The Carnegie Museum of Art. The exhibition program of the AFA is supported in part by the J. Carter Brown Fund for Exhibitions, established by the AFA in 1992.

## OBITUARY

James W. Sinden, former research professor in the Department of Botany and Plant Pathology, died Dec. 20 at the age of 92.

A 1924 graduate of the University of Kansas, he received a Ph.D. from Cornell University in 1937.

Dr. Sinden was a research professor in the Department of Botany and Plant Pathology from 1930 to 1952, when he became manager and part owner of Hauser Champignonkultur AG at

Gossau, Zurich, Switzerland.

He was a member of Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, Gamma Alpha and Alpha Kappa Lambda. He also was a fellow of the American Association of Advance Science, an honorary life member of the Mushroom Growers Association of Great Britain, the American Mushroom Growers Association, and the Canadian Mushroom Growers Association.



## UNIVERSITY PARK CALENDAR

### SPECIAL EVENTS

**Thursday, January 12**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Saxopholics Anonymous, a saxophone quartet.

**Friday, January 13**  
Geography Coffee Hour, 4 p.m., 319 Walker Bldg. Roger Downs on "Geopolitics: The Politics of Geography Education."  
**Sunday, January 15**  
Martin Luther King Commemorative Dinner, 6 p.m., HUB Ballroom. Tickets required.  
**Monday, January 16**  
Martin Luther King Celebration, Eisenhower Aud.

**Wednesday, January 18**  
Earth & Mineral Sciences, 7:30 p.m., 301 Steidle Bldg. John Coolidge on "Tribulations of Pennsylvania."

**Friday, January 20**  
Deadline for nominations for Palmer Faculty Mentoring Award. Must have three copies of all material submitted to Deborah Atwater, 308 Kern. For more information, call 863-1663.

Geography Coffee Hour, 4 p.m., 319 Walker Bldg. James T. Meyer on "Will Space Matter Any More? The Prospect for Distance Education."

### PUBLIC RADIO

WPSU-FM 91.5  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marjorie McParland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

### SEMINARS

**Thursday, January 12**  
Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Sandra Edwards on "The Development Side of Continuing Education: How to Find Support for Innovative Programs."

Biology, 4 p.m., 8 Mueller Lab. Joel Benington on "Brain Energy Metabolism and The Sleep Restorative Process."

**Tuesday, January 17**  
Chemistry, 3:30 p.m., SS Omond Lab. David L. Allara on "Fundamental Studies and Applications of Self Assembled Monolayers."

**Wednesday, January 18**  
Gerontology Center, noon, 110 Henderson Bldg. Becky Allen-Burge on "Mechanisms Underlying the Feeling of Knowing in Younger & Older Adults," and Melissa Zvahr on "Model to Predict Decisions Made About Postmenopausal Estrogen Replacement Therapy."

Preliminary Biotechnology Institute, 4 p.m., Wartick Lab. Patricia Newton Myers on "Survey of Neotropical Species for Drought and Salt Stress Tolerance."

**Thursday, January 19**  
Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Laurel Thomas on "Can Rural Schools and Libraries Participate in Distance Education?"

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Sidhar Nathani on "Reversal Distance Problem for Genomes is in P."

**Friday, January 20**  
School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. James J. Zaczek on "Advances in Cloning of Mature Northern Red Oak."

### CONFERENCES

**Tuesday, January 17**  
Lime, Fertilizer and Pesticide Conference, 200 attendees, Dins Inn Penn State. Through Jan. 19.  
**Wednesday, January 18**  
Human Resource Development Center, Nit-lany Lion Inn. Many of the Most of Opportunities. Cost: \$25.

### EXHIBITS

**Palmer Museum**  
"Gits to Celebrate the New Museum."  
Through Jan. 22.

### TIPS

**Information Penn State**  
Call 863-1224, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are:  
Weather—234;  
Arts Line—345;  
University Calendar—456.

### Rolling along

Steve Love's New York Express Roller Dance Show will speed into Eisenhower Auditorium on the University Park Campus Feb. 19 at 3 p.m. For more information call the ticket office at 863-0255.

## University Libraries offers seminars to aid library patrons

The University Libraries is offering the following series of seminars in January, to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power also will be presented.

In an effort to accommodate as many participants as possible, some sessions are offered more than once. To register or learn more about the seminars, contact Joyce Combs at (814) 863-0325 or by electronic mail at jsc@psu-lias.psu.edu. Seating is limited so register early!

■ **Penn State Libraries Catalog in LIAS** Offers an overview of the Penn State Libraries Catalog in LIAS and hands-on practice in applying LIAS searching techniques. A quick overview of LIAS as a gateway to other information resources is presented. Jan. 27, 9-11 a.m.; Jan. 16, 31, 11 a.m.-1 p.m. Tower Room 402, Central Pattee Library.

■ **Arts and Architecture** Provides hands-on practice in accessing and searching electronic resources available. Participants will also learn to cruise the Internet and explore the gopher. Jan. 19, 2-4 p.m. Tower Room 402, Central Pattee Library.

■ **Business** Covers three primary electronic resources: Dow Jones News/Retrieval Service, ABI/INFORM, and Disclosure. Participants will learn how to summarize these specific electronic business sources— their organization, content, and potential usage. Jan. 31, 6-7 p.m. Reference Lecture Room, East Pattee Library.

■ **Engineering** Features practice in accessing and searching databases and resources available. Participants will learn how to search the Penn State Libraries Catalog and to select and search EIP and other appropriate data-

bases. Jan. 24, 2-4 p.m. Tower Room 402, Central Pattee Library.

■ **Law/LEXIS** Provides hands-on practice in accessing and searching the legal resources accessible through the LEXIS databases, available in the documents section of Pattee Library. Participants will learn how to access court case opinions, statutes, regulations, and secondary legal resources at federal and state levels. Jan. 26, 10 a.m.-noon. Reference Lecture Room, East Pattee Library.

■ **MEDLINE** Provides the fundamentals of searching the MEDLINE database through LIAS. MEDLINE indexes over 3,600 journals in the fields of health, biomedicine, clinical medicine, nursing, veterinary science, and dentistry. Jan. 31, 10 a.m.-noon. Tower Room 402, Central Pattee Library.

■ **Molecular Biology** Provides hands-on practice in accessing and searching electronic resources in molecular biology, cell biology, and biochemistry. Participants also will learn how to use basic search skills to retrieve pertinent information. Jan. 25, 2-4 p.m. Tower Room 402, Central Pattee Library.

■ **Multicultural and Diversity Resources** Basics in using LIAS on-line services to locate multicultural and diversity-related resources. Jan. 20, 10 a.m.-noon. Tower Room 402, Central Pattee Library.

■ **Political Science** Features an overview of political science resources accessible through LIAS. In addition, an introduction to research databases available within the Libraries or via the gopher is presented. Jan. 23, 9-11 a.m. Tower Room 402, Central Pattee Library.

■ **Psychology** Provides the fundamentals of searching the PsycINFO database through LIAS. Participants also will learn of other databases accessible through LIAS for research in psychology. Jan. 27, 2-4 p.m. Tower Room 402, Central Pattee Library.

## Awards

### Extension agents receive national honor

Raymond Kennerknecht, extension agent in Crawford County, Jeffrey Mizer, extension agent in Columbia and Montour counties, and William Shuffstall, county extension director in Clearfield and Jefferson counties, have received Distinguished Service Awards from the National Association of County Agricultural Agents.

James Cowden, county extension director in Warren County, and Susan Dunn, extension agent in Clearfield and Jefferson counties, received Achievement Awards.

### Associate professor cited for contributions

Philip L. Cochran, associate professor of business administration in The Smeal College, has been awarded a 1994 Howard Chase Award for his contributions to the field of issue management.

Dr. Cochran, also the director of the Center for the Study of Business and Public Issues, received the award from The Issue Exchange, a council of 100 corporate members from North and South America, Europe and Australia. The award is named for the highly regarded public relations expert who coined the term "issue management" in 1976.

In ceremonies held in Washington, D.C., Dr. Cochran was recognized for advancing the theoretical framework of issue management through his teaching, research and writing. He was selected for the honor by the board of The Issue Exchange.



# The Challenge of Change

Editors note: Condensed remarks of Provost John A. Brighton to the University Faculty Senate on Dec. 6, 1994.

My remarks center on the topic of change—change in the world, in higher education, and most especially change in our university. I want to review some of Penn State's responses to the need for change, including the Future Process and Continuous Quality Improvement activities. I also want to discuss one particular area where change has figured very prominently for Penn State in the last year—the area of enrollment enhancement.

Looking outside the university for a moment, the world is filled with examples of change for the better, and change for the worse. Consider the vast global geo-political changes that have occurred in recent years, the transformation of our own economy and the corporate sector, and the reorganizations taking place in higher education.

In higher education, change has been driven mainly from the outside. In the November, 1994 issue of *Change* magazine, Peter Ewell used the metaphor of "closing the Western frontier" to describe what is happening in higher education.

**"It's important to point out that much of what we are doing at Penn State doesn't need changed. We are doing many things right."**

The old frontier values embraced the concepts of "more is better" and "autonomy." Ewell went on to say that these values are changing, mainly due to fiscal and political realities. Universities are re-thinking what they are doing and what they want to accomplish. He suggests that continuous quality improvement may provide the tools for doing so, because today expansion is being exchanged for quality, and autonomy is being replaced with inter-dependency and teamwork.

Change in higher education was also discussed at a recent meeting of the Committee on Institutional Cooperation. This committee is comprised of my provost counterparts from other Big 10 universities. There was strong consensus among those in attendance with a remark made by James Duderstadt, president of the University of Michigan. Dr. Duderstadt said, "Our universities are changing more rapidly than at any time in our history, and this pace of change is just beginning." I firmly believe that strong leadership from among, and within, our universities will need to step forward to work together in an effort to see us through the many challenges, and opportunities, that change presents.

We can choose to resist change, accommodate change, or help to drive change. The last option is clearly the most appealing. It's important to point out that much of what we are doing at Penn State doesn't need changed. We are doing many things right. This belief is reflected in the title of the Uni-

versity Future Committee Report, *Preserving Tradition, Planning for Change*. However, there also are some compelling reasons why Penn State needs to change or improve in certain areas. At the top of the list are providing a better education for our students, and a better work environment for faculty and staff. But another very important reason to be open to change is to make sure that change is driven from within rather than reacting to change imposed from the outside.

Most of us are familiar with some of the more unfortunate stories being played out at universities around the country when external pressures have led to mandates and substantial restructuring. In marked contrast, it has been Penn State's good fortune to have responded early, and intelligently, to the changes in our environment. We have made the necessary changes through the Future Process and other avenues. I believe that we need to retain this ability for self-examination and self-improvement, which has put Penn State in a true leadership position among the nation's public research universities.

There are ample reasons for leading an organized, concerted effort for change even though *WE ARE PENN STATE*, and we are pretty good. But there are far too many examples where bureaucratic process has taken precedence over good practice. There is also the need to understand better why students choose, or do not choose, to come to Penn State. In addition, we must look at why some students leave before completing their education. We need to find ways to improve the learning process, especially in large classes, work more effectively in teams and fully utilize available technologies. We are pretty good, but we should always strive to be better. We cannot afford to do otherwise.

A major thoroughfare among the other avenues for change at this University is continuous quality improvement. About four years ago the concept of continuous quality improvement (CQI) was shared with the Council of Academic Deans. I remember someone commenting that CQI was a fad and it won't be around very long. They were right. CQI is a fad if it is viewed only in terms of a label or a quick fix. But the underlying principles and methods of CQI are anything but faddish. They have indeed proven effective and have survived the enduring tests of time when appropriately pursued and applied.

CQI addresses improvement of processes. One very important process that has benefited from CQI is enrollment management. Several changes have been implemented over the past few years in response to Penn State's challenges in this critical area. John J. Romano was appointed to provide leadership for admissions, and some reorganization occurred to place all enrollment management activities under his responsibility. Next, the Central Enrollment Management Group was established to work with Dr. Romano. This group serves as a core process CQI team, focusing on all aspects of enrollment management from recruitment to retention. Last fall I concentrated on converting more students who are offered admission to Penn State, into actual enrolled students. We

have been successful in convincing more of these students to pursue their education at our institution.

Enrollment management activities are especially important in the Commonwealth Educational System (CES) and several of our campuses have formed CQI teams to give special attention to their recruitment efforts. One of the success stories is at the Penn State Beaver Campus which has turned around a very serious enrollment decline. Robert De Witt, director of Student Programs and Services, worked with their Campus Advisory Board, to apply CQI methods and involve the faculty in an intense effort for recruitment. This campus had the largest percentage increase in enrollment of any campus this year.

**"Another very important reason to be open to change is to make sure that change is driven from within rather than reacting to change imposed from the outside."**

This is only one example among the many campus efforts, some involving CQI and some not, which have helped turn around a very serious enrollment situation. Overall, we are very pleased with this year's fall enrollment figures. There is still a lot of work to do, especially at the campuses where enrollment decline is significant.

President Thomas announced some good news at the Oct. 25, 1994 University Faculty Senate meeting. Higher than projected tuition income, resulting from the fall enrollments, has provided some funds to help with enrollment enhancement efforts. Most of these funds have been allocated for student services and marketing recruitment initiatives at the campuses. They also mean that CES budget reductions for next year will not be as large as was originally anticipated.

CQI, of course, was not the sole reason for this good news, but it certainly played a significant role. The core process team under Dr. Romano's leadership, and the broad efforts made at the campuses, colleges, and in the Office of Admissions made a difference. This has been a University-wide team effort of faculty, students, staff, and alumni pulling together to turn an urgent situation into a real success story.

The world around us is changing. Change in the private sector has been dramatic. Universities are changing as well. Penn State has responded through the University Future Process and the application of the principles of continuous improvement. We must continue to seek methods to help our institution adapt, and to advocate improvement in our programs and processes. Penn State's response to the changing conditions in enrollment is an example of the worst and the best in our ability to adapt and lead change. The worst is reflected in where we were two to three years ago. The best is reflected in our recent successful team efforts throughout the University system.

We are not out of the woods yet in terms of

See "Change" on page 11

**We can choose to resist change, accommodate change, or help to drive change.**



## Faculty Senate News

## Enrollment picture brightens

A Penn State team using continuous quality improvement (CQI) techniques played a significant role in reducing a projected enrollment decline for fall 1995, University Provost John A. Brighton told the Faculty Senate at its Dec. 6 meeting.

Because actual fall enrollment figures are now somewhat higher than originally projected, tuition income for 1994-95 is also higher—and will reduce the originally projected Commonwealth Educational System budget shortfall from \$12 million to \$10 million. "The higher-than-projected tuition income resulting from the fall enrollments is very good news," Dr. Brighton said.

Contributing to the increase in projected enrollment that reduced the shortfall, Brighton said, was a CQI "core process" team led by John Romano, the University's vice provost for enrollment management and administration. Also "pulling together to turn an urgent situation into a real success story," Dr. Brighton said, was a University-wide team effort of faculty, students, staff, advisory boards and alumni.

The Central Enrollment Management Group, led by Dr. Romano, was established last year to focus on all aspects of enrollment management—from recruitment to retention.

CQI teams at several campuses have also been working on recruitment, he said. "Perhaps one of the best success stories is at the Beaver Campus, which has turned around a very serious enrollment decline" and has "had the largest percentage increase in enrollment of any campus this year."

Emphasizing that the principles and methods of CQI have been proven effective, Dr. Brighton outlined Penn State's overall CQI efforts and highlighted some of its other successes, such as improved student advising and reduced lines in the bursar's office.

"Our vision is that Penn State's distinction will be enhanced by our commitment to continuous improvement, creating an environment in which everyone takes ownership of improving the educational enterprise and where high value is placed on teamwork, collaboration, and communication," he said.

Addressing the need to change in a changing world, Dr. Brighton said Penn State will "continue to have opportunities for needed improvement. But we have had a dramatic turnaround. In essence, our dream is that the doctrines of continuous improvement will become even more of an integral part of our institutional culture."

Also addressing issues Penn State will face in the future was John M. Stevens, professor of management, who presented a report on faculty member participation in the President's Planning and Budget Advisory Committee.

U.S. universities are the envy of the rest of the world, but "there are some troubling issues," Dr. Stevens told the Senate. "We have a fairly tough job for the future—how do we get past thinking about the next budget year?"

Among the issues he discussed were increasing expectations from those who provide funds to Penn State, including government, the private sector, parents, and alumni; demands to continue to grow and to maintain high quality with fewer resources; the need to maintain buildings and facilities while also renewing human capital; and the importance of thinking and acting as one institution, not disparate colleges.

A key issue is continuously articulating the University's value, Dr. Stevens said. "We need to do a better job of communicating this to everybody who directly or indirectly supports the University."

## Change

continued from page 10

enrollment. And, we continue to have opportunities for needed improvement. But we have had a dramatic turnaround. In essence, our dream is that the doctrines of continuous improvement will become even more of an integral part of our institutional culture. As we realize that ideal we won't need any faddish labels. Our cultural values will speak for themselves, and the Penn State name will be the only label needed to communicate that this is an institution of quality.

## ChangeAgents

The following people were recognized by Provost Brighton for their role, along with many others throughout the University, in helping to reverse the enrollment decline at Penn State.

## Beaver Campus:

Robert De Witt—director of Student Programs and Services  
Regina Miller—assistant director of Student Affairs  
Albert Skomra—acting Campus Executive Officer

## Delaware County Campus:

Deborah Erie—director of Enrollment Management  
Carolyn Boswell—admissions counselor

Edward Tomesko—campus executive officer

## Mont Alto:

Eileen Graham—director of University Relations

Joyce Matthews—assistant director of Student Affairs  
Corrinne Caldwell—campus executive officer

## Office of Admissions:

Deborah Hitchcock—director, Marketing and Admissions for the Commonwealth Educational System  
John Romano—vice provost for Enrollment Management and Administration

## Nuclear Engineering can provide radon monitoring

Penn State's Low Level Radiation Monitoring Laboratory (LLRML) in the Department of Nuclear Engineering, is again making its radon monitoring services available to faculty, staff and students. Much of Centre County is located in a relatively high radon area, with a mean radon level reading much higher than the Environmental Protection Agency action limit of 4 picocuries of radon per liter of air (pCi/L). Some homes were found to have radon levels as high as 75 pCi/L.

If you've been thinking about having your home tested for radon, the winter months are the best time. EPA specifies that initial short-term radon measurements be conducted under closed house conditions, with all windows and outside doors closed and all exhaust vents unsealed for 12 hours before the test and during the three-day testing period. During this time, normal entrance and exit is allowed as long as the doors are not left open for more than a few minutes.

The laboratory has two types of EPA-approved monitors available for short-term screening: charcoal cartridges and short-term electron ion chambers. The measurement should be made in the lowest lived area. Therefore, if your basement does not have a family room, bedroom, etc., then the test should be made in a first-floor lived-in area. If the measurement shows a radon level of 4 pCi/L, then you do not have a problem. If the measurement shows a level of 4 pCi/L or greater, EPA recommends you perform

follow-up testing. If the level is between 4 and 10 pCi/L, the recommended follow-up test is a long-term test made under normal living conditions. This type of test gives a better estimate of your family's year-round radon exposure level. If your screening results are greater than 10 pCi/L, then your follow-up test should be a repeat of your screening test. The LLRML also has detectors that can be used for these follow-up tests.

Another service offered by the LLRML is the determination of dissolved radon in ground water drinking sources. Neither EPA nor the Pennsylvania Department of Environmental Resources has established an allowable limit for dissolved radon in drinking water, but EPA has announced they are planning to set the limit at 300 pCi/L of water.

The LLRML office, in room 103 Academic Projects Building, can be reached by calling 863-2647. The total cost of each radon kit plus instructions on how to use them is \$25. The radon in water tests are conducted in duplicate to confirm that the samples were collected in a reproducible manner. The cost of these kits is \$55.

We have a number of other excellent capabilities for detecting low levels of radioactivity in environmental samples and are interested in supporting University-related research projects. If you have any questions about radon or our research support capabilities, call William A. Jester, professor of nuclear engineering, at 865-2011.

## PROMOTIONS

## Staff

Doris J. Lineaweaver, staff assistant VII at Hershey Medical Center.  
Kathleen H. McCalips, staff assistant V in Housing and Food Services.  
Steven C. Mentzer, senior research programmer at Hershey Medical Center.

Barbara A. Nolt, staff assistant V at Penn State Harrisburg.  
Kathryn L. Pillot, staff assistant V at Penn State Great Valley.  
Nancy J. Roy, clinical head nurse at Hershey Medical Center.

Tina M. Saylor, staff assistant V at Hershey Medical Center.  
Lisa J. Skishaller, staff assistant VIII at Hershey Medical Center.

Carol M. Smith, orthopedics billing coordinator at Hershey Medical Center.

Virginia B. Struble, staff assistant V in College of The Liberal Arts.

Susan J. Tatomus, assistant nursing manager at Hershey Medical Center.

Joyce Towighi, attending nurse at Hershey Medical Center.

Carolyn P. Wahl, technician—Research, at Hershey Medical Center.

Richard A. Wilkerson, buyer II in Applied Research Lab.

Timothy M. Williams, staff assistant VI in Housing and Food Services.

Brenda L. Zucco, staff assistant V in Housing and Food Services.

# LECTURES

## International authority to speak on stream restoration

Robert Newbury, president of Newbury Hydraulics and a Gibbons, B.C. Professor at the University of Manitoba and Simon Fraser University, will speak at 8 p.m. Tuesday, Jan. 17, in Room 26 Hosler Building, on the University Park Campus.

The lecture, titled "Rivers and the Art of Stream Restoration," is part of the Bracken Lecture series, sponsored by the College of Arts and Architecture Department of Landscape Architecture.

Dr. Newbury is an international authority on stream hydrology and river restoration. For the past 10 years he has specialized in analysis and restoration of rivers and river systems, and has conducted workshops for numerous agencies and conservation groups in both urban and rural contexts. For 12 years prior to this he was involved in lake hydrology, river diversion studies, and stream hydrology as a research scientist with the Freshwater Institute of Fisheries and Ocean Canada.

Dr. Newbury advocates multi-disciplinary approaches to restoring rivers as physical, ecological and cultural entities. He played a key role in the strategy to restore Toronto's Don River, and shared the Canadian Institute of Planners 1992 Award for Planning Excellence with Michael Hough and Ken Tamminga, Penn State assistant professor of landscape architecture. His current projects include hydrology and fish habitat workshops on trout and salmon streams in North America and Australia.

The lecture is free to the public.

## Internet information seminars being offered this semester

Would you like to know more about the Internet? Internet seminars are being offered by the University Libraries and Computer and Information Systems this semester.

The InterNetX seminar is designed to provide a few of the basic concepts and skills needed to successfully navigate the Internet. Registration is not required for this seminar.

InterNetX: Sec. 1, Jan. 25; Sec. 2, Feb. 21; Sec. 3, March 14; Sec. 4, March 23; Sec. 5, April 18; 6:30 - 8:30 p.m., 102 Classroom Building.

Once you have attended the InterNetX seminar, more advanced seminars are available. Participation in these seminars requires some basic knowledge of the Internet. To register contact Jean Cowher at (814) 863-4356 or by e-mail at ajc@psu.edu.

Introduction to Computer Conferencing: Sec. 1, Jan. 27; Sec. 2, March 29; 10 a.m.-noon, 141 Computer Building.

File Transfer with FTP: Sec. 1, Feb. 6 (IBM Version); Sec. 2, Feb. 15 (MAC Version); 9-11 a.m., 141 Computer Building.

Introduction to World Wide Web: Sec. 1, Feb. 8; Sec. 2, March 31; 10 a.m.-noon, 141 Computer Building.

Using Gopher to Burrow through the Internet (Registration is not required. Walk-in participants are welcome.) Sec. 1, Jan. 26; Sec. 2, Feb. 9; Sec. 3, Feb. 28; Sec. 4, March 16; Sec. 5, March 29; Sec. 6, April 13; 6:30 p.m., 102 Classroom Building.

## Spring lecture series offered by Adult, Continuing and Distance Education

Continuing and Distance Education and the College of Education's Adult Education Program are sponsoring a Spring 1995 Adult, Continuing and Distance Education Colloquium series.

Participants may take the 14-lecture series for credit by registering for ADTED 590. To receive 1 credit, participants must attend 12 lectures and complete a journal. For information, call Peter Cookson, professor-in-charge of adult education in the College of Education.

The lectures are open to the public. They will be held from noon to 1 p.m. in 201 Keller Building (except where noted) and include an optional discussion and question session from 1-1:30 p.m. Participants are welcome to bring a bag lunch to the lecture.

The series includes:

— Jan. 12: Sandra Edwards, director of development for C&DE, on "The Development Side of Continuing Education: How to Find Support for Innovative Programs."

— Jan. 19: Laurel Thomas, project assistant, American Center for the Study of Distance Education, on "Can Rural Schools and Libraries Participate in Distance Education?"

— Jan. 26: Kathleen Pavelko, assistant general manager, WPSX/WPSU, on "The Art of the Interview: Questioner's Tips Oprah Never Taught You."

— Feb. 2, 12:15-1:30 p.m., Studio D, Mitchell Building: Ann Taylor-Bram, instructional designer, C&DE, on "The Rhetoric and Reality of PictureTel."

— Feb. 16: Forest Wortham, assistant director of student life, on "Balancing Theory and Real Life Experiences When Planning Employee Training Programs."

— Feb. 16: William Rothwell, associate professor of vocational and industrial education, and Fred Schied, assistant professor of adult education, in a

"Debate on Human Resource Development."

— Feb. 23, 7 p.m., 118 Agricultural Science and Industries Building: Donna S. Queeney, director, C&DE Office of Research and External Relations, on "Mandatory Continuing Education." This lecture is co-sponsored by Phi Delta Kappa.

— March 2: Alan Stuart, senior research associate, Applied Research Lab, and associate professor of acoustics, College of Engineering, on "A Faculty Member's Perspective on Distance Education and its Implications for Other Programs at Penn State."

— March 16: James Meyer, director of marketing research, C&DE, on "Marketing Research and Your Program: What, How and Why."

— March 23: Dennis Lott, director of Continuing and Distance Education, College of Medicine, on "The Dissertation Process: School for the Seasoned Professional."

— March 30: Patricia A. Book, associate vice president and associate dean for Continuing and Distance Education, and Armando Villarreal, executive director of CREAD, The Inter-American Distance Education Consortium, on "CREAD: An Ongoing Example of an Inter-American Effort in Collaboration in Distance Education."

— April 6: Cheryl Keenan, bureau director, Bureau of Adult Basic and Literacy Education, on "New Trends in Adult Basic Education and Literacy: A National and State Perspective."

— April 13: Donna Ricketts, director of community education, State College Area School District, on "Community Education: Thriving Not Just Surviving."

— April 20: William Kelly, associate professor of integrated arts and member, University Faculty Senate Committee on Outreach, on "Outreach in General Education: New Clientele, New Markets, New Competition."

## Change in higher education is topic of Jan. 23 lecture at University Park

On Jan. 23, Robert Zemsky, director of the Higher Education Research Program sponsored by The Pew Charitable Trusts, will speak on "The Process that Counts: A New Look at Academic Restructuring." His presentation, part of the Francis Sim Memorial Lecture Series, is at 8 p.m. in the Assembly Hall (Room 101) of the Hetzel Union Building. His visit to University Park is sponsored by several groups, including the Institute for Innovation and Learning, the COJ Center, and the departments of Sociology, Political Science, and Education and Policy Studies.

Professor Zemsky is recognized for his research and insights on the changes occurring in higher education in the 1990s. He is currently working with William Massy, director of the Stanford Institute for Higher Education Research, to study the underlying costs of an undergraduate education.

Believing that there is a "productivity problem" in higher education, Professor Zemsky assigns its cause to several sources, including:

■ The "Administrative Lattice"—increases in administrative and support services, primarily due to consensus management, resulting in decision making that is oftentimes slower, risk-averse and thus more costly; and

■ The "Academic Ratchet"—the pervasive tendency of faculty to shift from teaching to research and other largely self-selected professional activities ("The Lattice and the Ratchet," *Policy Perspectives*, June 1990).

In his presentation, Professor Zemsky will identify steps that may help counteract these forces and stem losses in productivity.

Professor Zemsky also is currently the director of the National Research and Development Center on the Educational Quality of the Workforce; chair of The Pew Higher Education Roundtable; senior editor of *Policy Perspectives*; and is the founding director of the University of Pennsylvania's Institute for Research on Higher Education.

A founding trustee to the International Centre of the Study of East Asian Development in Kitakyushu, Japan, Professor Zemsky also has served as convener and chair of the Transatlantic Dialogue of educational leaders from Europe and the United States, sponsored by The Pew Charitable Trusts in cooperation with the American Council on Education. He has been a project consultant to government ministries in Hong Kong, Zimbabwe and Egypt and a principal leader of United States-sponsored seminars in Tunisia and India.



## Tourism May Not Be Answer

*Rural America pins hopes on tourism, without seeing many results*

**A**s an economic jump start for rural America, tourism has generated more talk than measurable results, according to a Penn State sociologist.

"In recent years, rural communities have seen the decline of farming, forestry, mining and fishing, as well as manufacturing," Albert E. Luloff, professor of rural sociology and agricultural economics, said. "This has led to other problems, including the departure of the brightest young people and low educational levels among those who remain."

"To reverse this trend, economic development groups in rural counties have usually tried to attract alternate industries with tax incentives, partially subsidized salaries, and incubators. This strategy has had mixed results, however."

During this period of economic restructuring, tourism has emerged as a key replacement for traditional rural industry. Its promoters tout it as a clean, attractive source of employment with potential for numerous economic spinoffs.

"There is still, however, relatively little data documenting the economic gains of rural tourism," Dr. Luloff said.

To assess the potential of rural tourism for economic development, Luloff and his colleagues surveyed all 50 state tourism offices and 31 Cooperative Extension offices that provide programs in rural tourism development.

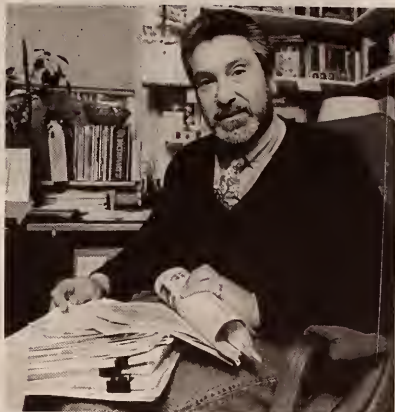
The Penn State study revealed that only five states and 13 extension agents offer rural tourism programs specifically created to further economic development.

"Moreover, only two states—Alaska and Oklahoma—claimed that rural economic development is a component of their overall tourism policy," noted Dr. Luloff, a faculty member in the College of Agricultural Sciences.

Even when rural tourism policies are specifically designed to build the economy and create jobs, the real track record of these programs is unclear.

"For instance, when respondents reported that a particular program generated economic spinoffs, few could give specific details on the size, type and location of business activity generated," Dr. Luloff said.

Similarly, while most respondents indicated that their programs were successful, the crit-



Al Luloff takes a look at the information he's collected on rural tourism.

Photo: Greg Grieco

**There is relatively little data documenting the economic gains of rural tourism.**

ria for determining success was generally whether the program reported using such general indicators as travel counts and visitor days, which give little clue to actual economic progress."

"Current tourism efforts clearly lack rigorous evaluation and monitoring systems," Dr. Luloff said. "Respondents to our survey report using such general indicators as traveler counts and visitor days, which give little clue to actual economic progress."

Rural areas have typically relied on a specific natural resource, which in turn led to a dependency upon manufacturing and extractive industry. As tourism has replaced manufacturing and extractive industry, it too has led to a dependency but often one with questionable economic promise.

"Tourism usually entails service-sector employment in the form of motels and fast-food

restaurants," Dr. Luloff said. "Critics maintain that these provide mostly low-paying, seasonal jobs with little or no benefits."

Furthermore, rural America is not a homogenous mass, so that strategies for tourist promotion must necessarily differ from place to place and except varying degrees of success.

"Studies that gather more descriptive and experiential data in various states, regions and localities are essential to understand the real impact of tourism on economic development," Dr. Luloff said.

Dr. Luloff is co-author of the paper, "Assessing Rural Tourism Efforts In The United States," recently published by the Annals of Tourism Research.

Dr. Luloff's co-authors are Jeffrey C. Bridger, rural sociology research associate; Alan R. Graefe, associate professor of leisure studies; Mary Saylor, associate professor of extension education; Kenneth Martin, senior research associate with the Northeast Regional Center for Rural Development; and Richard Gittelsohn, associate professor of leisure studies.

— Paul A. Blum

## Research Roundup

**NSF grant aids teamwork**

**U**niversity researchers are embarking on a new program that could help solve some mysteries of plant-environment

relationships while training a generation of students to take a broader approach to plant science.

Fueled by a \$1.25 million grant from the National Science Foundation, the five-year program calls for the formation of an interdisciplinary team to teach undergraduate, graduate and postdoctoral trainees. This Research Training Group, as it is called, consists of nearly 20 faculty members from 13 academic units in the colleges of Agricultural Sciences, Engineering and Science.

Program leaders Eva Pell, distinguished professor of plant pathology, and Jack Schultz, professor of entomology, hope the program will help students break out of traditional disciplinary lines, such as botany, plant physiology, biochemistry and ecology, to form collaborative groups that allow students to experience working with colleagues from other disciplines.

"Because plant biology is so complex, more and more research is being done by interdisciplinary teams," Dr. Schultz said.

Dr. Pell believes that training students to work at multiple levels will enable them to be effective and creative in problem solving. The program should help students understand the consequences of multiple interacting problems that occur in nature and in most research.

Program participants, who work with teams of faculty, will receive training in three tiers: biochemical, whole-plant physiological and ecological. The Research Training Group will support six graduate students during a five-year doctoral program and six postdoctoral fellows for two years each. In addition, the program will provide research opportunities for at least six undergraduates in each of the five years.

Although the program's research will be basic rather than applied, Dr. Schultz says it could help find solutions for practical problems.

"The environmental stimuli we plan to study include drought, ozone exposure, insects and disease," he said. "At the same time, we will be training students to understand plant responses, from the genetic level to the population level. By gaining this broad knowledge, these students may eventually contribute to plant improvements that could minimize environmental stresses."



Eva Pell



Jack Schultz

## The PHILADELPHIA REGION

PENN STATE LOCATIONS:  
Delaware County, Great Valley,  
Ogontz, The Philadelphia Community Recruitment Center

### New degree program

A unique bachelor of science degree program designed to address the specific social and educational needs of urban schools is now under way at the Penn State Delaware County Campus.

The Urban Early and Middle Childhood Education program - a first for the University in its focus on urban children and schools - was spearheaded by College of Education Dean Rodney J. Reed. The degree, offered for the first time this semester, is historic in several other respects: it is housed and offered exclusively via the Delaware County Campus due to the campus' proximity to Philadelphia and Chester city schools. It also breaks new ground in its focus: a heavy concentration on field-based experience in those schools.

Grace Stanford, assistant professor of education at the Delaware County Campus, is coordinating the program. Dr. Stanford was recruited from the University of Illinois at Chicago, where she specialized in urban education.

### Philadelphia Urban Initiative

The Urban Education program is a part of Penn State's Philadelphia Urban Initiative, a collaborative effort created to bring the University's myriad resources to the City of Philadelphia. The initiative includes the University's expanded downtown Philadelphia office at 4601 Market Street, which will serve as a base for a variety of educational offerings in cooperation with the University's three regional campuses and the College of Agricultural Sciences extension program. Ed Tomersko, campus executive officer at Penn State Delaware County Campus, serves as liaison to the University Park-based Council of the Philadelphia Urban Initiative.

### Fall enrollment

Fall 1994 enrollment continued to grow at Penn State Great Valley, the University's suburban Philadelphia graduate campus. More than 1,400 degree and non-degree students are now enrolled at the campus, up from roughly 1,300 for fall 1993. Enrollment has continued to climb steadily at Penn State Great Valley, a prototype campus focused on meeting the educational needs of adult students. Also existing enrollment: several new cutting-edge master's degree programs - including Information Science and Environmental Engineering - now being offered at Penn State Great Valley.

### Faculty activities

David Russell, associate professor of electrical and computer engineering and coordinator of the Great Valley Information Systems program, has been appointed to the three-year post of faculty director of Engineering Programs at the campus.

Vicki Abt, professor of sociology at Penn State Ogontz, continues to receive international attention for her paper, "The Shameless World of Phil, Sally and Oprah: Television Talk Shows and the Deconstructing of Society," co-authored with Ogontz assistant professor Mel Seesholtz and published in this summer's *Journal of Popular Culture*. Since June, Dr. Abt has appeared as primary guest on two consecutive days of the Oprah Winfrey Show, as an expert on the NBC Nightly News and in dozens of magazine and newspaper articles across the U.S., in Canada, Australia, Scotland and The Netherlands.



Over the top

President Joab Thomas presents the \$377,209 check raised as part of University Park's United Way Campaign. University Park donors exceeded the goal set by more than \$35,000. Accepting the gift are Brent Pasquini, Centre County United Way campaign chairperson and Sue Paterno, honorary chairperson for Centre County.

Photo: Steve Tressler

## University is No.1 in Fulbrights

Penn State may rank No. 2 on gridiron, but it's tied for No. 1 in the number of prestigious Fulbright Scholars on its faculty this year.

Penn State and Indiana University at Bloomington, a sister Big Ten school, each had 14 faculty members selected as 1994-95 Fulbright Scholars.

Through a competitive application process, Fulbright Scholars receive awards to lecture, consult, or conduct research abroad. Of the 800 scholars announced recently by the J. William Fulbright Foreign Scholarship Board and the U.S. Information Agency, the vast majority are college and university professors. Professional men and women and independent scholars also receive awards.

After Penn State and Indiana, institutions with the highest number of Fulbrights are: New York University, 12; Cornell and the University of Maryland, each 10; UCLA, nine; George Washington, Ohio State, Michigan, and Washington, each eight.

The Penn State Fulbright Scholars and the countries in which they are working this year are:

Lee A. Banaszak, associate professor of political science, Malaysia.

Jayanth R. Banavar, professor of physics, Britain.

Kathleen M. Barry, associate professor of human development and family studies, Ireland.

Pamela M. Cole, senior staff fellow in psychology, Nepal.

Barrett S. Cowen, associate professor of veterinary science, Costa Rica.

Robert C. Doyle, lecturer in English, Germany.

Arlen W. Etling, associate professor of agriculture and extension education, Mexico.

K. Marguerite Hafon, lecturer in computer science and engineering, Nicaragua.

Patricia L. Johnson, associate professor of anthropology, Denmark.

C. Gregory Knight, professor of geography, Bulgaria.

Eric Plutzer, associate professor of political science, Malaysia.

Jay R. Stauffer, professor of forest resources, Malawi.

Frank J. Swetz, professor of mathematical and computer sciences at Penn State Harrisburg, Malaysia.

Sherry L. Willis, professor of human development and family studies, Sweden.

In addition, a Penn State alumna, Cynthia A. Baldwin, judge, Court of Common Pleas, Pittsburgh, and a past president of the Penn State Alumni Association, received a Fulbright award to study in Zimbabwe.

### FULBRIGHT SCHOLARS

#### Top 10 Universities 1994-95

1. Penn State	14
1. Indiana at Bloomington	14
3. N.Y. University	12
4. Cornell	10
4. Maryland	10
6. UCLA	9
7. George Washington	8
7. Ohio State	8
7. Michigan	8
7. Washington	8



## Penn Staters

**Charles Abdalla**, associate professor of agricultural economics, has been appointed to a National Academy of Sciences panel studying the future value of groundwater. As co-director of the Pennsylvania Groundwater Policy Education Project, he is one of 12 experts appointed to examine the approaches for assessing the long-term economic value of groundwater resources. The report of the panel's findings will be published in 1996.

**Dinesh Agrawal**, associate professor of materials at the Intercollegiate Materials Research Laboratory, gave invited talks on "Microwave Processing of Ceramics" and "INZPL: A New Family of Low Thermal Expansion Materials" at the Associated Cement Companies Ltd., Bombay, India; Regional Research Laboratory, Tiruvandur, India; and Slovakia Technical Institute, Bratislava, Slovakia.

**Sidney Barnard**, professor of food science, has received the Citation Award from the International Association of Milk, Food and Environmental Sanitarians for his work with the association over the last 25 years.

"Vesper," a large work for solo piano, composed by Peter Dinklage, was performed in music, was performed by Australian pianist Bernadette Balkus at Sydney University as part of the Sydney Festival in Sydney, Australia. Piano virtuoso Michael Harvey also performed "Vesper" in Melbourne, Australia.

**Gary L. Catthen**, associate professor of nuclear engineering, completed a tour of four major research laboratories in Germany, where a nuclear technique known as Perturbed-Angular Correlation (PAC) spectroscopy is used extensively to investigate a variety of problems in solid-state physics. As part of the tour, he made presentations at the Institute for Radiation and Nuclear Physics of the University of Bonn, the Department of Physics of the University of Konstanz, Nuclear Solid-State Physics Section of the Department of Physics and Earth Sciences of the University of Leipzig and the Second Physics Institute of the University of Göttingen.

**Cheng Dong**, assistant professor of bioengineering, has received a Junior Faculty Research Award from the American Cancer Society. He currently is researching the early growth of cancer cells. The American Cancer Society faculty development award includes a three-year grant of \$90,500.

**Rand German**, holder of the Harvey Brush Chair in Materials, presented the invited plenary lecture, "Powder Metallurgical Materials" at the 175th anniversary of the Royal Institute of Technology, Stockholm, Sweden.

**Michele A. Govekar**, assistant professor of speech communication at Penn State Erie, The Behrend College, presented "Cultural and Strategic Effects on Multinational Corporation Managers' Perceptions of Strategy and Subsidiary Goals" at the Strategic Management Society meeting in Paris, France.

**Elizabeth Hanley**, assistant professor of exercise and sport science and director of the Penn State International Dance Ensemble, was chosen as one of four North American judges for the ensemble competition at the 1994 Holiday Folk Fair in Milwaukee, Wisc. Judges were from Canada, Mexico, and the United States.

**S.I. Hayek**, distinguished professor of engineering mechanics, delivered a keynote talk titled "Noise Radiation from Doubly Periodic Reinforced Submerged Plates" at the Third Congress of the Acoustical Society of France at the biennial meeting in Toulouse.

**Steven Heine**, associate professor of religious studies, has been elected chair of the Japanese Religions Group of the American Academy of Religion for a five-year term. The group, with a membership of nearly 200, is the oldest and largest religious society specializing in Japanese religious studies.

**Shirley Smith Hendrick**, Smear College assistant dean for continuing education, served as U.S. delegate and presented a paper titled "Partnering: Meeting International Needs" at the first U.S.-Russian Joint Conference on Education in Moscow.

**Austin J. Jaffe**, holder of the Philip H. Sieg Professorship of business administration, and Smear College doctoral candidate **Tom G. Guerts** presented a paper titled "Property Rights and International Portfolio Management: Implications for Real Estate Investments" at the European Real Estate Society meeting in Amsterdam, Netherlands. Dr. Jaffe also served on a plenary session devoted to real estate education worldwide and spoke on globalization in real estate markets at the Dutch Society of Property Researchers Symposium in Amsterdam.

**Dale Jacquette**, associate professor of philosophy, presented a talk, "On Defoliating Meinong's Jungle," at a conference on Meinong and his School at the Centro Studi per la Filosofia Mitteleuropea in Trento, Italy. He also presented a talk titled "Meinong's Objects" at the University of Ljubljana, Ljubljana, Slovenia.

**Sridhar Komarneni**, professor of clay mineralogy in the Department of Agronomy and the Materials Research Laboratory, has been named a Fellow of the Soil Science Society of America (SSSA).

**James A. Kurre**, associate professor of economics at Penn State Erie, The Behrend College, organized and chaired two sessions dealing with the use of real-world data in the teaching of regional economics and regional science classes at the 41st North American Meetings of the International Regional Science Association in Niagara Falls, Ontario.

Three Penn Staters co-authored a paper that won second place for best papers in the Artificial Neural Networks in Engineering '94 at the international conference in St. Louis. **Soundar Kumara**, associate professor of industrial and manufacturing engineering; **Akhlesh Lakhtakia**, associate professor of engineering science and mechanics; and **Satish T. Bikkapattam**, an industrial engineering graduate student, wrote "Fractal Estimation of Flank Wear Using Time Delay Neural Networks." The paper also won in the Novel Engineering Applications category.

**Claudia Limbert**, associate professor of English and women's studies at the Penn State Shenango Campus, presented the keynote address, "A Member of the Club," at the Eight Annual International Conference on Women in Higher Education in San Francisco, CA.

**John Lucas**, professor of architecture, has received the Silver Medal for Design Excellence from the Middle Pennsylvania Chapter of the American Institute of Architects for the design of a house in State College.

**Mirna Urquidí-MacDonald**, associate professor of engineering science and mechanics, presented a paper, "Artificial Neural Networks to Interpret Acoustic Emission Signals to Detect Early Delamination During Carbonization of Carbon-Carbon Composites," at the annual international Institute of Electrical and Electronics Engineers Ultrasonics Symposium in Cannes, France. It was co-authored with **Bernhard Tittman**, Schell Professor in engineering science and mechanics, and graduate student **Michael G. Koopman**.

**Jack Martin**, assistant professor of management at Penn State Erie, The Behrend College, presented "Capacity Planning in the Process Industry" at the annual Decision Sciences Institute meeting in Honolulu, Hawaii.

**Archie J. McDonnell**, professor of civil and environmental engineering and director of the Environmental Resources Research Institute, presented the keynote address, "Water Quality Management: Evolution, Status, Trends," at the International Conference on Agricultural Water Quality Management Techniques in Seoul, Korea.

**Russell Messier**, professor of engineering science and mechanics at the Intercollegiate Materials Research Laboratory, will present an invited paper in Poland at the Conference on C-BN and Diamond Crystallization Under Reduced Pressure, in June 1995.

**Ido Millet**, assistant professor of management information systems at Penn State Erie, The Behrend College, presented "Supporting Aversion Elicitation in the Analytic Hierarchy Process" at the 1994 annual meeting of the Decision Sciences Institute in Honolulu, Hawaii.

**Robert E. Newnham**, Alcoa professor of solid state science at the Intercollegiate Materials Research Laboratory, was an invited speaker at the Gordon Conference on Dielectrics in New Hampshire. His lecture was on "Scaling Phenomena in Ferroic Media."

**Paula Short**, associate professor of educational administration, has been elected to the Executive Committee of the University Council for Educational Administration.

**Lanny Sommes**, professor of art, received first prize in the cultural category of the 1994 competition for the 1994 International Biennial of the Poster in Mexico with his poster, "Romeo, and Juliet." The poster was awarded the "Jose Guadalupe Posada" medal after being selected from more than 2,500 entries from around the world as the best poster in the exhibition.

**Mita Sujan**, professor of marketing in The Smear College, has been elected treasurer of the Association for Consumer Research.

**David T. Wilson**, holder of the Alvin H. Clemens Professorship in entrepreneurial studies in The Smear College, has been appointed a William Evans Visiting Fellow in the Advanced Business Programme at the University of Otago, New Zealand. Dr. Wilson, managing director of Penn State's Institute for the Study of Business Markets, will hold the fellowship appointment through June.

**Barry R. Weller**, associate professor of economics at Penn State Erie, The Behrend College, presented "Employment Forecasting in Small MEAS: Comparing Naive, Smoothing, and Univariate and Bivariate Stochastic Techniques" at the 41st North American Meetings of the International Regional Science Association in Niagara Falls, Ontario.

**Chuck Yeung**, assistant professor of physics at Penn State Erie, The Behrend College, spoke on "Bounds on the Autocorrelation Function in Phase Ordering Dynamics" at a workshop, "Topological Defects," in Cambridge, England.

COMPUTER COURSE SCHEDULE FOR FACULTY AND STAFF  
SPRING 1995

The following computer courses are joint offerings of the Human Resource Development Center, the Center for Academic Computing, and the Office of Administrative Systems. The courses are held in room 116 or 117 Wagner Building. To register for one of these courses, complete the registration form found in the HDRC Course Schedule for Spring and Summer. Course descriptions and costs can be found in the brochure as well. For additional information about the content of these courses, call 863-7491.

## ADMINISTRATIVE TOPICS

## Using Emc2/TAO (IBM)

Sec 1	Jan. 20	9 a.m.-noon	Fri
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## Using the RMDS (IBM)

Sec 1	Feb. 14	9 a.m.-noon	Tue
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## Introduction to IBIS

Sec 1	Jan. 25 (IBM)	9 a.m.-noon	Wed
Sec 2	Feb. 14 (Mac)	1-4 p.m.	Tue
Sec 3	March 24 (IBM)	9 a.m.-noon	Fri
Sec 4	April 20 (IBM)	9 a.m.-noon	Thu

## Intermediate IBIS (IBM)

Sec 1	March 2	1-4 p.m.	Thu
Sec 2	May 12	9 a.m.-noon	Fri

## Introduction to ISIS

Sec 1	Feb. 3	9 a.m.-noon	Fri
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## IBIS AIDA (IBM)

Sec 1	March 20	1-4 p.m.	Mon
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## IBIS Financial Forms (IBM)

Sec 1	Feb. 2	1-4 p.m.	Thu
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## Using the SecurID Card and Net-Pass

Sec 1	Jan. 30	1-4 p.m.	Mon
Sec 2	May 17	9 a.m.-noon	Wed

## Using ISIS AIDA (IBM)

AIDAR			
Sec 1	April 10	1-4:30 p.m.	Mon
AIDAE OER			
Sec 2	April 26	8:30 a.m.-noon	Wed
AIDAE-RPM			
Sec 3	May 15	1-4:30 p.m.	Mon
AIDAE-IAR			
Sec 4	May 25	8:30 a.m.-noon	Thu

## IBM TOPICS

## Introduction to DOS 6.1

Sec 1	Feb. 1	9 a.m.-4 p.m.	Wed
Sec 2	April 27	9 a.m.-4 p.m.	Thu

## Introduction to Windows 3.1

Sec 1	Feb. 13, 15	1-4 p.m.	Mon, Wed
Sec 2	March 1, 3	9 a.m.-noon	Wed, Fri
Sec 3	April 4, 6	9 a.m.-noon	Tue, Thu

## WordPerfect 6.0 Complete for Windows and DOS

Sec 1	Jan. 23, 25	1-5 p.m.	Mon, Wed
Sec 2	Feb. 8, 10	1-5 p.m.	Fri, Mon, Wed
DOS			

## IBM TOPICS (CONTINUED)

## Word for Windows 6.0 Quick Start

Sec 1	Jan. 31	9 a.m.-4 p.m.	Tue
Sec 2	March 7	9 a.m.-4 p.m.	Fri
Sec 3	May 23	9 a.m.-4 p.m.	Tue

## Word for Windows 6.0 Complete

Sec 1	Feb. 13, 15	8 a.m.-noon	Mon, Wed, Fri
Sec 2	April 10, 12	8 a.m.-noon	Mon, Wed, Fri

## Excel 5.0 Complete

Sec 1	April 24, 26, 28	1-5 p.m.	Mon, Wed, Fri
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## Intermediate Excel 5.0

Sec 1	May 17	1-5 p.m.	Wed
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## Introduction to Lotus DOS 3.1

Sec 1	March 14	1-4:30 p.m.	Tue, Thu
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## Introduction to Lotus Windows 4.0

Sec 2	April 11, 13	1-4:30 p.m.	Tue, Thu
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## Pagemaker 5.0 Complete

Sec 1	March 13, 15, 17	1-5 p.m.	Mon, Wed, Fri
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## Introduction to Compel 1.0

Sec 1	April 12	1-4 p.m.	Wed
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## MACINTOSH TOPICS

## Introduction to the Macintosh

Sec 1	Feb. 27	9 a.m.-4 p.m.	Mon
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## Word 5.1 Complete

Sec 1	March 27, 29, 31	1-5 p.m.	Mon, Wed, Fri
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## Excel 4.0 Complete

Sec 1	Feb. 20, 22, 24	8 a.m.-noon	Mon, Wed, Fri
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## Introduction to Filemaker Pro 1.0

Sec 1	April 20	1-5 p.m.	Thu
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## Pagemaker 5.0 Complete

Sec 1	April 3, 5, 7	8 a.m.-noon	Mon, Wed, Fri
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## Advanced Pagemaker 5.0

Sec 1	May 31	9 a.m.-4 p.m.	Wed
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## Photoshop

Sec 1	April 27	9 a.m.-4 p.m.	Thu
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## Research effort focuses on information processes

HRB Systems of State College, Pa., and the College of Engineering have jointly established the Center for Intelligent Information Processing (CIIP), a research effort that will focus on automated document analysis and other information processing technologies.

Many institutions are challenged by the information super-highway's flood of data. The center will investigate ways to very rapidly sort, identify, classify, archive and retrieve the information a customer needs vital. Housed on the University Park Campus, the CIIP combines industry and university research and development skills, and will study how to apply information processing techniques to commercial, defense and civil government operations.

Daniel Heinze, principal engineer at HRB, and Soundar Kumara, associate professor of industrial and manufacturing engineering, will co-direct the center's work.

Penn State and HRB have, in the past, successfully collaborated with the U.S. Army on computerized text analysis. Computational cognitive linguistics, the technology underlying this collaboration, will be the basis for CIIP's research. Some of the areas of interest to both HRB and Penn State include automatic analysis of medical records, computerized inspection and analysis of engineering drawings and manufactured parts, and optical character recognition of non-Roman alphabets, such as Arabic.

The center's work will benefit businesses, universities, libraries, patent and trademark agencies, hospitals, governments and information and entertainment networks.

HRB Systems is a wholly owned subsidiary of E-Systems and specializes in computer-based multimedia education system, mobile data communications, automated information processing, signals analysis and processing and global life cycle operations and logistic support.

## CARPOOLERS

Would like to carpool from Runville to University Park. Work hours are 7:30 a.m.-4 p.m. but are flexible, Mon.-Fri. Call Walt at 355-5106, evenings.

Wendy is looking for someone to ride with for the winter months from Pleasant Gap to University Park. Work hours are from 7 a.m. to 4 p.m. Call 863-1447.

Judy and Dan are looking for a rider to carpool from Hollidaysburg, Altoona, or Tyrone to University Park. Work hours are 8 a.m. - 5 p.m. Monday through Friday. Call 865-6301 or 632-8462 (Judy/home) or 942-7658 (Dan/home).

## Behrend College awarded \$212,000 NSF grant for biology research

Penn State Erie, The Behrend College, has received a \$212,000 grant from the National Science Foundation (NSF) to renovate and upgrade biology research and training facilities at the College.

Matched with \$250,000 in funds from central administration, the money will allow Penn State-Behrend to begin the first phase of a complete upgrade of the college's biology facilities. The grant funds a proposal developed by Jack Burke, associate professor, Larry Eckroat, associate professor of biology, and Roger Knacke, head of the Division of Science. It is the first federal funding Penn State-Behrend has received for construction or enhancement of academic or research facilities.

"Penn State-Behrend has a vigorous and growing program of faculty and

undergraduate research in biology," Dr. Eckroat, principal investigator of the grant, said. "This will enable us to consolidate and modernize the biological science research and research training facilities, which will have an effect on the entire program."

Using the NSF grant, the college will renovate and upgrade six faculty research laboratories in Nick Building, bring an animal room into compliance with federal specifications, and create a research resource room. Work space will be consolidated, redesigned, and modernized, air conditioning will be installed, and lighting will be improved.

In addition, the project will provide, for the first time, space for molecular biology. The renovations are expected to be completed by December 1995.



## Two in Eberly College of Science earn honor as AAAS Fellow

Two faculty members in the Eberly College of Science have been awarded the distinction of Fellow of the American Association for the Advancement of Science.

Andrew Clark, professor of biology, and C.R. Rao, holder of the Eberly Family Chair in Statistics and director of the Center for Multivariate Analysis, were among 297 AAAS members recognized this year for their efforts toward advancing science or fostering applications that are scientifically or socially distinguished.

Founded in 1848, AAAS represents the world's largest federation of scientists and has more than 140,000 individual members. The Association publishes the weekly journal *Science*.

Dr. Clark, a population genetics researcher, has made both experimental and theoretical contributions to the understanding of the genetic basis of evolutionary change. He is a co-author with Daniel Hartl of *Principles of Population Genetics*, a leading textbook in the field, and he is author of more than 80 research publications.

He is the associate editor of two scholarly journals, *Genetics* and *Evolution*. Honors include the NIH Research Career Development Award, the Sloan Foundation Sabbatical Award in 1991, and ad hoc membership in the NIH Genetics Study Section.

Dr. Clark is a member of the Genetics Society of America, Society for the Study of Evolution, American Genetics Association, American Association for



Andrew Clark

C. R. Rao

the Advancement of Science, and American Society of Human Genetics.

He earned a B.S. from Brown University in 1976 and a Ph.D. from Stanford University in 1980. He did his postdoctoral work at Arizona State University. Dr. Clark joined the University in 1983 as an assistant professor of biology and was named professor in 1992. Prior to his position at Penn State, he was a visiting researcher at the Institute of Ecology and Genetics, University of Aarhus, Denmark.

His research has been supported by grants from the National Science Foundation and the National Institutes of Health.

Dr. Rao has made many pioneering contributions to theoretical and applied statistics and probability theory during his 50-year career. Some of the statistical techniques that bear his name are: Fisher-Rao and Rao-Blackwell theorems, Cramer-Rao inequality, Rao's score, F and U-Tests, and Rao's distance and quadratic entropy, and g-inverse of matrices. He is the author or co-author of 12 books and more than 250 research papers published in journals.

Among his many accomplishments, he is a Fellow of the Royal Society in the United Kingdom and the Indian National Science Academy, honorary member of International Statistical Institute, Royal Statistical Society and Biometric Society, and foreign honorary member of the American Academy of Arts and Sciences.

Dr. Rao was the president of the International Statistical Institute, International Biometric Society and the Institute of Mathematical Statistics U.S.A. He has been awarded medals by the American Statistical Association, Bose Institute, Royal Statistical Society and Indian National Science Academy. He has 14 honorary doctorates from universities worldwide.

His degrees are two M.A. degrees in statistics and mathematics, a Ph.D. and a Sc.D. from Cambridge University in the United Kingdom.

## BOOK SHELF

Stephen J. Cimbala, professor of political science at the Penn State Delaware County Campus, is the author of *Military Persuasion: Deterrence and Provocation in Crisis and War*, a new book from Penn State Press.

*Military Persuasion* is different from other military conflict resolution studies because it combines security and peace literature; contending that both threats and accommodations have their place in preventing and ending conflicts.

Dr. Cimbala examines cases of great power-making decisions to demonstrate that deterrence threats alone have not successfully avoided war this century through revealing how in the months leading up to World War I threats have actually aided the miscalculation that ultimately led to war. Also considered in the study are the Berlin crisis of 1948, the Cuban Missile Crisis of 1962 and the Gulf War conflict of 1991.

Although some rising star firms like Wal-Mart and Rubbermaid are strong candidates to join the mythical Hall of Fame, the odds are good that the following would-be imitators will fail following the same strategies as today's top performers.

In the new book from Free Press, *Fit, Failure, and the Hall of Fame: How Companies Succeed or Fail*, Charles C.

Snow, professor of business administration, and Raymond E. Miles, professor of organizational behavior at the University of California at Berkeley, say that one firm's meat is another's poison.

Many of today's top firms have succeeded by following a formula, but by intelligently adapting time-tested organizational ingredients to meet the demands of the current business environment, the authors say. They describe three scenarios for success—adaptation, redesign, and network organization—the last of which involves a new way of packaging strategy, structure, and process that is now being experimented with by various firms.

"Finding an ideal strategic fit is crucial," Dr. Snow said. "While some companies teeter on the edge of disaster but then survive by adapting, redesigning, or networking, many others are stymied in their attempts to change because they try to force a fit that does not take advantage of their unique resources. Most of these firms, in their own minds at least, have tried all the things that the successful companies have done but with little or no success."

Nancy L. Herron, director of academic affairs, at the Penn State McKeesport Campus, and Diane Zabel,

social science reference librarian in the University Libraries, are co-editors of *Bridging the Gap: Examining Polarity in America*, a collection of 12 bibliographic essays.

The book defines the issues that are polarizing the country, driving a wedge between generations, sexes, races, and ethnic groups. The essays summarize the conflicting concerns, discuss possible resolutions, and present lists of resources for further study.

Each chapter focuses on a specific issue, including media and popular culture; public policy and government; law and the justice system; poverty, welfare, and unemployment; child care and elder care; hunger and nutrition; homelessness; children and learning; adults and literacy; substance abuse; health care; and the changing American family.

An important addition to libraries, the book also can be used as a supplementary text for sociology, social work, public policy, family studies, education, and nursing courses that involve the study of contemporary social issues.

Other contributing authors from Penn State are: Christine Avery, business reference librarian; Adele Bane, librarian, Pery State, state, education, and nursing courses that involve the study of contemporary social issues; Kevin R. Harwell, government documents librarian; Nancy Henry, health sciences reference librarian; Steven Herb, education librarian; Helen M. Shady, government documents librarian; Diane H. Smith, chief of reference and instructional services; and Carol Wright, reference librarian.

Robert D. Richards, assistant profes-

sor of journalism and law and director of the Pennsylvania Center for the First Amendment, is the author of *Uninhibited, Robust, and Wide Open: Mr. Justice Brennan's Legacy to the First Amendment*, published by Parkway Publishers, Boone, N.C.

The book explores Justice William J. Brennan's work in freedom of expression and is based, in part, on his working papers. Internal conflicts over some of the hottest First Amendment issues are revealed in chapters on libel, obscenity, free press-fair trial, unpopular speech, prior restraint, and commercial speech.

First Amendment law is intricately tied to the time period in which the cases were decided. Justice Brennan's tenure on the court spans some of the most turbulent years in American history.

*Uninhibited, Robust, and Wide Open* sheds light on the private working world of the court as the justices grappled with 20th century issues. Many internal court memoranda revealing the justices' conflicts and concerns about issues are reproduced in their entirety.

The book has broad appeal for scholars, lawyers, journalists, and other readers interested in the development of First Amendment law through U.S. Supreme Court decisions.

Harish Sujan, associate professor of marketing in The Smell College, is co-author of *Marketing and the Law*, published by Wiley Eastern. Written with his father, M.A. Sujan, the book compares marketing laws in the United States, United Kingdom, and India.

## EMPLOYEE BENEFITS

A regular column provided by  
the Office of Human Resources

### Flexible benefits

As a reminder to faculty and staff who participated in either of both of the flex plans - Flexible Benefits Health Care Reimbursement Account or Dependent Care Reimbursement Account - the deadline for filing reimbursement claims for 1994 expenses is March 31. Please remember that to be eligible for reimbursement from funds contributed in 1994, the service must have been provided during calendar year 1994, regardless of when payment was made.

If you incurred reimbursable medical expenses late in 1994 and have not received the "Explanation of Benefit" forms from HealthAmerica or any other insurance carrier, you may request an extension beyond the March 31 deadline. Your request for an extension must be in writing and must be received in the Employee Benefits Division, Room 205 Rider Building, 1205 Burrows St., University Park, PA 16801 by March 31. Requests for extensions may also be E-Mailed to BENE@PSUADMIN.

The Reimbursement Accounts Claims Unit uses the IRS guidelines in IRS Publication No. 502 (Medical and Dental Expenses) to determine eligibility for reimbursement of out-of-pocket medical expenses. If there is a question, however, the final decision as to what is acceptable as a reimbursable expense is up to the IRS.

Flexible Benefits reimbursement checks are issued once each month. Requests for reimbursement must be received by the Employee Benefits Division by the first working day of the month in order to receive a check for that month. To facilitate the processing of your reimbursement claims, please be sure to complete and sign the request for reimbursement form and attach all necessary documentation. "Flexible Benefits Request for Reimbursement" forms are available from your human resource representative or the Employee Benefits Division.

Acceptable documentation for medical claims are the ORIGINAL "Explanation of Benefit" forms for medical, dental or vision claims. Requests for dependent care reimbursement must be accompanied by the ORIGINAL signed receipt. Photocopies, cancelled checks, credit card receipts and cash register receipts ARE NOT ACCEPTABLE forms of documentation for either reimbursement account.

If you have questions regarding eligibility for reimbursement or need assistance in completing the Request for Reimbursement form, please contact the Employee Benefits Division at (814) 865-1473.

## Nittany Lion Inn begins stage two renovations

After completion of a 132-room expansion in 1992, renovations have begun on the original portion of the Nittany Lion Inn, updating guest rooms, the dining room and other public spaces. The Inn will remain in full service during this period, although dining room services will be moved to other portions of the building as the renovations progress.

"Most of our work will be invisible to guests," James W. Purdum, general manager of the Inn, said. "Contractors are tearing out the old guest rooms, which are small compared to modern-day standards, and they will work on the dining room and the original lobby. The dining room is scheduled to be completed by March 1, although we hope to be finished before then, and the bedrooms will be finished in August." Breakfast and lunch are likely to be served in the new ballroom near the present dining room, and dinner will be served in Whiskers Lounge. Some meals will feature buffet service and some will have a limited selection of popular items from existing menus.

Since the Inn added a number of meeting rooms and public spaces in its expansion last year, it now has the flexibility to reschedule meals and meetings in other rooms — no events will be canceled. The Faculty/Staff Club, which usually meets in the Penn State Room at lunch, will be moved to other areas as well. Small group lunches usually held in the writing rooms next to the dining room will continue.

However, Mr. Purdum recommends that guests make reservations for all meals during this time. Guests also are asked to use the parking garage and lot off Park Avenue as the Atherton Circle will be open only to construction vehicles.

"We are installing safety items such as smoke detectors and sprinklers in the old guest rooms and lobby areas and new carpeting throughout," Mr. Purdum said. "We have received rare reviews on our rooms in the new section and want to bring the whole Inn up to that standard. With a little patience, I know guests will be pleased with these changes as well."

## Proposals due Jan. 18 for those interested in Faculty Technology Initiative Program

Proposal packets for the 1995 Faculty Technology Initiative Program from the Center for Academic Computing Education Technology Services are now available.

The program supports faculty who are interested in transforming entire courses or units within courses with innovative, instructionally-effective and cost-effective information technology resources. Projects that have been supported in the past include prototype software development projects, software implementation projects, interactive lecture databases, and faculty development groups. Proposals are due Jan. 18.

The proposal process is now a two-stage process: (1) Faculty submit a two-page abstract; (2) Faculty with successful abstracts submit a full proposal and present their project proposals to the ETS advisory committee. The presentation date is April 6. The start date for successful projects will be on or about June 15.

Faculty do not need technological expertise to submit a proposal. ETS staff resources such as instructional design, instructional programming and graphic support are available through the program to assist in identifying and developing instructionally-effective and

discipline-appropriate course resources, including use of digital communication and Internet resources. Faculty are encouraged to contact Education Technology staff for consulting to develop and define their ideas.

The proposal packet is available electronically on Gopher at Penn State: Information/Computing/Center for Academic Computing/Education Technology Services, on MosaicURLhttp://www.cac.psu.edu/pubs/CAC-Guide/Teaching/philosophy.html, or on PSUVM: psu.comp.classroom.

Paper copies of the proposal and appointments to discuss proposals can be requested by calling 863-1654 or by sending e-mail to ets@psu.edu.

ETS staff have assisted faculty members for more than six years in the integration of teaching and learning technologies into the University's instructional programs. Some of the projects that would be particularly appropriate for the 1995 program include projects using digital imaging, video, network and distance resources and prototype projects implementing existing discipline resources.

## Electronic bulletin board for opinion page editors developed through cooperative effort

The Association of Opinion Page Editors and the University have joined to create a private electronic bulletin board, also known as a list-serve, for newspaper opinion page editors.

The board, which went online in recent weeks, now has members from newspapers in New York, Los Angeles, Miami, Philadelphia and other cities around the country. The Association plans to use the board to increase communication among its member editors and to support communication that in the past was always handled through "snail mail" — old fashioned paper mail.

The Center for Academic Computing is providing the bulletin board for the editors participating in the system.

"Newspaper opinion page editors interested in joining the private bulletin board can contact the Department of Public Information (814-865-7517) or send an E-Mail note to my internet address, NF3@psu.edu, and we can quickly add them to the system," Bill Mahon, public information director, said.

Editors plan to use the Internet to communicate information about their meetings, promote the annual awards program that is sponsored by the Association along with the School of Communications, and to share names of potential op/ed writers with one another.

"An electronic bulletin board permits opinion page editors to share resources and ideas. It allows them to discuss common problems quickly and with little effort," Mr. Mahon said.

Editors now using the system gain access through most of the major commercial electronic firms, such as America Online, CompuServe, Delphi, Prodigy and others.

How it works: Once an E-Mail address is added to the bulletin board an editor who wants to ask questions or share information simply sends a message to the bulletin board address. The computer at Penn State then automatically makes copies of that message and sends it to each of the other members taking part in this private bulletin board. Only approved members of the bulletin board — fellow opinion page editors — can see the correspondence and respond.

The Association of Opinion Page Editors is an organization that was originally founded by the School of Communications. The school continues to support the association's activities in various ways.



## News in Brief

### Searching service

The University Libraries Do-It-Yourself Searching service is now available Monday and Wednesday evenings, 6-9 p.m. and Sunday afternoons, 2-5 p.m. through May 3.

The service gives students, faculty, and staff a chance to do their own computer searching using a choice of over 150 dial-up databases in a variety of subjects. Self-study guides provide users with the basic skills needed to do searches, but for best results users are advised to consult a librarian in their subject area. The search process is similar to CD-ROM searching but more databases are available, and it provides more years of coverage.

For University students, faculty and staff, many searches are provided free of charge. For more information, contact the Pattee Information Desk at 865-2112 or the Search Service Coordinator at 865-3705.

### Healthy Happenings

The Faculty/Staff Health Promotion Office announces the latest edition of its "Healthy Happenings" brochure, describing this season's health promotion offerings.

This semester's lineup of programs includes Weight Watchers AT WORK, The Culinary Heats Kitchen, Women's and Men's Health Issues, Fresh Start Smoking Cessation, My New Weight of Life, colorectal cancer screening, Cart-Smart Shopping Tour, and the Enlightening Lunch brown-bag wellness series. For a description of next week's offerings, check the Faculty/Staff alerts in this issue of the *Intercom*.

Costs, schedules and registration forms may be found in the "Healthy Happenings" brochure; look for it in your campus mailbox or call the Faculty/Staff Health Promotion Office at 814-865-3085.

### Tribolite talk

John Coolidge, curator of paleontology at the North Museum in Lancaster, Pa., will speak on "The Tribolites of Pennsylvania" at 7:30 p.m. Wednesday, Jan. 18, in Room 301 Steidle Building on the University Park Campus.

Although they have been extinct for hundreds of millions of years, trilobites are among the most popular of fossils. In Pennsylvania, trilobites have been found in rocks ranging from the early Cambrian (about 550 million years ago) through the Mississippian Period (about 330 million years ago). Mr. Coolidge has been collecting fossils for more than 30 years and his personal collection includes more than 300 trilobites, mostly from Pennsylvania.

His talk is sponsored by Nittany Mineralogical Society, an amateur association of central Pennsylvanians dedicated to the study of rocks, minerals, and fossils, and the Earth & Mineral Sciences Museum.

### Chili Night

The Faculty Staff Club will help its members withstand the rigors of winter with a Chili Night on Thursday, Jan. 19. The evening will feature a sampling of the delights of the famed Cincinnati Chili, white chili and vegetarian chili, along with appropriate accompaniments, fruit, and dessert. This third Thursday event begins at 5:30 p.m. in the Nittany Lion Ballroom and is open to club members and their guests.

The cost is \$8 for those paying with their Faculty Staff ID card; it is \$10 for those paying with cash. Club members should make sure they have sufficient balances in their accounts. Members wishing to add to their balance should send a check made out to Penn State along with their Penn State ID number to Faculty Staff Club, 110 HUB.

For information about joining the club, contact any of the club officers as listed under "Faculty Staff Club" in the new Penn State Faculty/Staff Directory.

### Club temporarily relocated

During the early winter months, the Faculty Staff Club will temporarily move lunch from the Penn State Room due to a renovation of the Nittany Lion

Inn's Dining Room and 1931 wing. Lunch will continue to be served, but guests should check with the dining room cashier for the appropriate location.

### Project Renew Grant

The State College Branch of the American Association of University Women sponsors the Lucretia Simmons-Vonna Jansma Project Renew Grant each year. The purpose of this award is to support women who have interrupted their academic work for at least three years and wish to resume or continue their studies at this time. A grant of up to \$2,000 will be awarded to a woman resident of Centre County who has completed a minimum of one-fourth of the degree requirements for a baccalaureate or master's degree.

The award is named in memory of two past leaders of the State College AAUW Branch: Lucretia V.T. Simmons, a past president of the State College AAUW Branch, who, in 1918, was the first woman on the Penn State faculty to become a full professor; and Vonna McMillen Jansma, a past co-president of the branch and ardent supporter of educational opportunities for adult women.

Grant applications are available from Anne Nelson, 30 High Meadow Lane, State College, PA 16803; phone: 237-9059 (H) or 863-0405 (O). The deadline for submission of applications is Feb. 15.

### Request for Proposals

The Center on Aging and Health in Rural America (CAHRA) is requesting proposals for a new round of competition of pilot research projects to be funded by the center. The research projects should focus on issues related to the health and effective functioning of older rural populations in the United States. Multi-disciplinary collaboration is strongly encouraged.

The competition is open to all academic faculty. Deadline for submission of a letter of intent is Jan. 27. Final proposals are due March 31. Funding will be for one year, beginning Sept. 1.

For a copy of guidelines, call CAHRA at 863-2938. Questions about the competition should be directed to Thyrne S. Rutrough, deputy director, or Diane K. McLaughlin, associate director.

### Challenge grants

The Ben Franklin Partnership's 1995 Challenge Program provides matching funds of up to \$150,000 each in three areas: research and development, entrepreneurship, or education and training. Competitive proposals are evaluated in terms of technical feasibility; potential for near-term commercialization; potential to create jobs in Pennsylvania; company matching funds; and university/company partnership.

Closing date for proposals is April 21. Projects selected for funding will start September 1995. For information on Challenge Program Workshops scheduled during January and February, contact University Park, State College, (814)863-4538; South Central Satellite, Harrisburg, (717)948-6339; Northwest Satellite, Erie, (814)898-6114.

### Science writers host discussion series

Alyssa Messer, science and research information officer in the Department of Public Information, will lead a roundtable discussion of online resources for science writers at the Penn State Chapter of the National Association of Science Writers lunch time meeting on Wednesday, Jan. 25 in 201 Rose Building.

Messer will discuss Compuserve's Executive News, the news databases, Journalism Forum, NASW Online, and the Internet.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. This year marks the chapter's fifth anniversary.

The brown bag lunch time roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale at 865-9481.

## undergraduate education



On Nov. 11-13, 1994, 11 peer tutors from the University Park Writing Center attended the National Conference on Peer Tutoring in Writing, held in Birmingham, AL. The conference attracted about 200 undergraduate peer tutors attending colleges and universities from 17 states across the country. Penn State has played a key role in the conference's development since it began 11 years ago.

The peer tutors from Penn State presented four workshops, each attracting from 20 to 40 peer tutors and tutoring professionals. The presentations dealt with a range of issues. Jill Shockey and Stephanie Culler examined the rhetoric of tutoring; Hillary Bergen, Andrea Boehmer, Shelley Gehret, and Kary Latham conducted a workshop on professors' opinions about writing centers; the third discussion presented by Chris Davis, Nathan Seward, and Lori Whetstone dealt with tutoring papers on controversial topics and tutors' rights and responsibilities to the tutorial. The last workshop focused on a national newsletter provisionally called *The Dangling Modifier* (by and for peer tutors in writing), initiated by Tammy Hudson, Paul L. Shelly, and Shelley B. Clineck. David Minner, and Marlene Neyhart. Although Penn State has founded this newsletter, editorial duties may over time travel to different writing centers so that many universities may share in sustaining this publication.

Preparations for the conference began last spring. The undergraduate tutors designed the individual sessions on their own time, with the help of peer tutors who did not attend the conference. Vicki Bliss, Mita Ghosal, Jennifer Ng, Mariana Yunis, Betsy Edgar, Susannah Beary, Josh Conn, Cindy Miller, and Charles Knight. All gained valuable research and pre-professional experience from their activities. The Penn State workshops presented in Alabama were designed to be highly interactive. Small group talks and role plays often aided large group discussions. This style of engaging the audience in the presentations has been a trademark of Penn State presentations and has set the standard for many other workshops at the conference.

By presenting at the conference, the University Park peer tutors in writing not only earned further national recognition for their work but also shared ideas with many different peer tutors from other colleges and universities, received ideas for improvement in our Writing Center, and also brought back ideas that will stimulate conversations among the entire staff of the University Learning Resource Center. Through its attendance at this national conference, the University Park Writing Center constantly upgrades its tutoring standards to meet the increasing demands of writers at Penn State.

— Lori Whetstone  
peer tutor in writing

## Faculty/Staff Alerts

### Healthy Happenings

This semester's lineup of programs offered by the Health Promotion Office includes:

**■ Culinary Hearts Kitchen**  
Chase away those post-holiday high cholesterol blues with the Culinary Hearts Kitchen Course. Learn how to make interesting and tasty meals that are low in fat, cholesterol, and calories. Meets Thursdays, Jan. 26 until March 2, 4-6 p.m. in the Mater Building—Research Kitchen. Cost: \$40.

### ■ My New Weight of Life

Some of the best New Year's resolutions are ones that lead to permanent change. This 12-week program focuses on combining nutrition education and behavior modification to facilitate permanent weight management through lifestyle change. Class meets Tuesdays, Jan. 17 through April 4, noon-2 p.m., 504 Ag Sciences Building. Cost: \$45.

### ■ Weight Watchers AT WORK

The Weight Watchers program is available at University Park. Learn how to develop and maintain healthy eating and exercise habits in an informal, supportive group setting. Meets on Wednesdays, Jan. 18 until

March 22, in the Paul Robeson Cultural Center Auditorium. Cost: \$100 (lifetime members \$90); a split payment plan is available, and VISA and MasterCard are accepted. New members are welcome any time during a series.

### ■ Managing Menopause

Join a health educator in this informal session to learn about menopause-related concerns: psycho-social and medical implications, signs and symptoms, and available therapies. An opportunity for questions will be provided. Meets Jan. 16, from 12:30 until 2 p.m. in 305 HUB. Cost is free.

### ■ Enlightening Lunches

A brown bag wellness series meets every other Thursday from noon until 1 p.m. in the Living Center, 110 Henderson Building. Cost is free.

### ■ Exercising Your Options—Jan. 19

All bundled up and no where to go? Come to this informal discussion and get some helpful advice for enjoying the various wintertime fitness opportunities at University Park and in the Centre region. Both outdoor and indoor exercise and recreation options will be explored.

### ■ Systems and Procedures

Systems and Procedures publishes a monthly summary of changes made to the University Policy Manual, the General Forms Usage Guide, and University procedures, as well as other news pertinent to the conducting of University business. This information is available electronically under the SYS-PRO/NEWS bulletin board in the OAS Emc2 mail system, or as a one page newsletter by free subscription.

For those with access to the Emc2 mail system, the SYS-PRO/NEWS bulletin board can be "tracked" (new postings will come up automatically when logging onto Emc2). To activate tracking, place an "M" next to SYS-PRO/NEWS on the listing of available bulletin boards.

The paper newsletter, titled *UPDATE*, contains the same information and is intended to reach those persons who do not have access to the bulletin board. Anyone wishing to receive *UPDATE* should contact Systems and Procedures via email at FORM@OAS.PSU.EDU, FAX at 814-865-3937, campus mail at 123 University Support Bldg. 2, or by phone at 814-865-9568. Please provide your name, title and office address.

## New CD-ROM databases at library

The University Libraries has purchased and installed three databases on its CD-ROM local area network (LAN).

— The Arts & Humanities Citation Index is a multidisciplinary index to the journal literature of the arts and humanities. It fully covers over 1,100 major journals across 25 disciplines and includes relevant items from 7,000 other journals covered in the Institute for Scientific Information (ISI) database.

— The Science Citation Index is a multidisciplinary index to the journal literature of the sciences. It covers 3,300 major journals across 100 scientific disciplines.

— The Social Sciences Citation Index is a multidisciplinary index to the journal literature of the social sciences. This database covers 1,400 journals spanning 50 disciplines and includes relevant items from 6,000 other journals covered in the ISI database.

At least one terminal has been designated for the CD-ROM LAN at the Architecture, Earth and Mineral Sciences, Engineering, Mathematics, and Physical Sciences Libraries, and several terminals have been designated in the Arts Library, Life Sciences Library, and the Government Documents/Maps Section, and General Reference in Patten Library. A total of 17 CD-ROM databases are included on the LAN with the number of concurrent users and terminals with available access varying.

## University Creamery gets a facelift this month

The University Creamery, long a beacon of sweet relief for Penn State's and visitors to University Park, is closed this month for interior and exterior renovation, its first redecoration since 1961. The project will take about 28 days, according to manager Thomas Palchak. The store will re-open by February while the work is being completed.

Interior renovation centers on relocating the "dipping operation." The ice cream service section will be moved to face the northern entrance of the store (the side nearest the intersection of Shorthidge and Curtin roads). Customers in search of Peachy Paterno or just plain chocolate will enter through

the north double doors and exit through the door opening onto the Creamery's courtyard. Another cash register is being added to speed the line.

In addition, the store will feature an express line, which will serve five or six of the most popular flavors. "In the warmer weather, we're also going to have an outdoor cart that will carry five or six flavors," Mr. Palchak said.

Milk, cheese, yogurt and other products will be moved to the front and stored in enclosed refrigerated coolers and freezers similar to those used in grocery stores. Opposite the ice cream counter will be self-serve stations for sodas, coffee, tea and slushes as well as

sandwiches, bagels and doughnuts. The store also will debut a soft-serve frozen dessert for diabetics or those looking for a low-fat ice cream product.

The most noticeable change will be to the Creamery's decor. The predominant browns of the present salesroom will be replaced by a blue and white decor. Penn State logos will be prominently displayed on the front wall and over both double doors. The store will retain its glass walls.

Creamery hours will remain the same after the renovations are completed, and the same mix of merchandise, including mushrooms and dairy products produced by the College of Agricultural Sciences, will be sold.

## Portions of Intercom available online

Front page stories and other portions of *Intercom* are available electronically through: OAS, Emc2, CAC PSUVUM accounts or Penn State Gopher.

In addition, press releases written by the Department of Public Information can also be accessed.

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## PENNSTATE INTERCOM

Department of Public Information  
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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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PENN STATE



# INTERCOM

January 19, 1995

Volume 24, Number 17



**Twenty-eight days and counting**

Ed Flango and Scott Bowes, two workers from the Office of Physical Plant, measure and score metal framing studs in their renovation work at the Creamery at University Park. The work, expected to be done in about 28 days, is the first redecoration of the Creamery since 1961.

Photo: Greg Grieco

## Department of Theatre Arts ranks among top 15 in nation

The College of Arts and Architecture Department of Theatre Arts has been ranked among the top 15 M.F.A. theatre programs in the nation. Ranked 14th in this fall's edition of the *U.S. News and World Report Guide to America's Best Graduate Schools*, the theatre department is one of three departments in the University to be ranked in the top 15.

To conduct its survey, *U.S. News* sent questionnaires to the deans, top administrators, and senior faculty of accredited schools with theatre programs. The programs were ranked on criteria such as academic quality,

scholarship, curriculum, and the quality of faculty and graduate students.

The Department of Theatre Arts has distinguished itself twice over the last five years by being selected as one of six finalists from a pool of 850 productions to take a show to the Kennedy Center as a finalist in the American College Theatre Festival. Last spring, Penn State swept the festival awards. For the first time in the festival's 25-year history, both ACTF acting audition national finalists were from the same school. Another Penn State actor was selected as the "best

See "Theatre" on page 3

## State funds released for Penn State Harrisburg library

Gov. Robert P. Casey recently released \$17.33 million in state capital budget funds to help build a new library at Penn State Harrisburg. In response, the college is preparing to launch a campaign to raise at least \$2 million in private gifts for the facility.

The combined funds will be used to build a 115,000-square-foot library that will replace temporary structures that have been unable to keep pace with growing student enrollment, new technologies and increases in the number of books, journals, microfilms and other information resources.

The governor's action will allow the state Department of General Services to advertise for bids for construction of the project. The project is part of the state capital budget, which finances the construction and improvement of public facilities through the sale of government bonds.

"We are deeply grateful that Gov. Casey has made this commitment to the future of the Capital Region, which increasingly will depend on the quality and capacity for service of its leading university," President Thomas said. "This new facility will strengthen the partnership between Penn State Harrisburg and southcentral Pennsylvania."

"We also are grateful to Ruth Leventhal, who retired on Dec. 31 as

provost and dean at Penn State Harrisburg. During her 10 years of leadership, she vigorously championed the need for a state-of-the-art academic research library, and it's gratifying to see those efforts bearing fruit."

Prominent Harrisburg business and civic leader Carl L. Campbell has agreed to chair the University's campaign to raise \$2 million in private funds for the project. His first task will

**The \$17.33 million will be used to build a 115,000-square-foot library.**

be to recruit a committee of other Capital Region volunteers who will guide the campaign to a successful conclusion.

Mr. Campbell, president and chief executive officer of Keystone Financial Inc., is the former chairman and chief executive officer of Pennsylvania National Bank. He serves on Penn State Harrisburg's Board of Advisers, and has long been active in Capital Region civic affairs.

See "Harrisburg" on page 3

## New institute to transform classrooms into interactive workshops for students

An Institute for Innovative Learning has been established at the University as a new part of Penn State's efforts to improve undergraduate education.

John A. Brighton, executive vice president and provost of the University, has appointed an 11-member Steering Team to provide guidance in establishing the University-wide organization. The Institute will assist faculty and students in developing effective practices for active learning.

"This is not an easy time to establish a new organization," Dr. Brighton said, "but I heartily concur with the opinion expressed from many quarters that we must find more effective ways to foster learning in college courses. I believe the Steering Team will succeed in finding ways for the Institute to make a genuine, lasting impact on the climate for

learning at Penn State—a charge that will require ingenuity, energy, and experience."

Members of the Steering Team, chaired by John P. Lowe, professor of chemistry, and Larry D. Spence, associate professor of political science, are Frederick R. Eisele, professor of health policy and administration; James S. Fairweather, associate professor of higher education; Victoria Ferrence, undergraduate student; David H. Jonassen, professor of education; Jack V. Matson, professor of civil engineering; Ronald R. Maxwell, assistant professor of English; Robert G. Melton, associate professor of aerospace engineering; John K. Ord, McKinley Professor of business administration and

See "Institute" on page 5

## DIVERSITY

*"Study abroad gives students something that simply cannot be replicated in the classroom."*

# University locations work to expand horizons for students

Guided by the notion that she might be educating the next president of the United States, Roberta Salper made a promise to herself: Give students the world — literally — by internationalizing the curriculum at Behrend College.

As head of the Division of Humanities and Social Sciences at Penn State Erie, Dr. Salper made good on her personal pledge. Beginning this month, Behrend offers an international studies minor. Approved by the Faculty Senate in July 1994, the international studies minor offers two new courses and requires students to complete an

Dr. Salper knows her food analogy may seem simple to some, but it helps people understand the reality of what students experience when faced with a learning situation that ignores the global perspective and the opportunity to learn about different cultures.

"To put it plainly, some students have been living on hamburgers too long."

Jeanette Bragger, professor and head of the Department of French at University Park, said the designation of a minor in international studies is an important first step in internationalizing the curriculum at Penn State. Although in the past students have been able to take courses related to international issues, the new minor points to a coordinated effort on the part of students to supplement their major area of study with international understanding.

"I think that for potential employers, the designation of a minor will immediately jump out as a coherent set of courses," Dr. Bragger, who developed the minor at University Park, said. "Employers are looking increasingly at students with education abroad experience, which is a large component of the minor. Not only because of the increasing potential to work overseas, but because studies abroad tell you a lot about individuals and their abilities to adapt to new situations."

This ability to survive and thrive in a foreign land not only benefits potential employers, but also makes students more resourceful, teaching them how to act in unfamiliar surroundings, increasing their global understanding, and allowing them to see the world through another culture's eyes.

The two professors agree that students who have studied abroad also gain a new outlook on American cultures.

"Study abroad gives students something that simply cannot be replicated in the classroom," Dr. Bragger said. "This is a major life experience that inevitably will change a student. Study abroad allows a student to debunk stereotypes, and interestingly, it broadens their acceptance of other cultures within the United States."

Trying not to sound tired, Dr. Salper said international study promotes "all the good things this country can be. Things like tolerant, diverse and genuinely democratic." The idea to offer an international studies minor is part of a national movement that Dr. Salper strongly backs. As chair of a University subcommittee charged with advising the president on ways to internationalize the curriculum at Penn State, she has pushed for this first step for years.



Roberta Salper

"People in this country are under the impression that we have little to learn from the rest of the world," Dr. Salper said sighing. "Nothing could really be farther from the truth."

The new minor at both Behrend and University Park consists of 18 to 30 credits, with 12 credits or evidence of proficiency in a foreign language required. A prerequisite to the Behrend program is International Studies 100, a new course designed as an introduction to thinking globally. This team-taught course, which combines economics, history and political science, examines how each discipline handles global questions and their strengths and limitations in their approaches.

— Lisa M. Rosellini

**"It is a myth that opportunity can be found at home."**

Roberta Salper  
Head of the Division of Humanities and Social Sciences  
Penn State Erie, The Behrend College

interdisciplinary research project.

"Unless we internationalize the curriculum now, North America will be shortchanging a generation of college students," Dr. Salper said. "It is a myth that opportunity can be found at home, when we are depriving students of a global maturity that I believe is needed to succeed."

The Erie location, which began recruiting students immediately, but opted to wait until 1995 to begin offering the minor, joins University Park, which began offering the minor in Fall 1994.

Dr. Salper, who is also professor of Spanish and women's studies, knows that many of her students have not made it outside of the borders of Pennsylvania, let alone to the countries of the Far East. This lack of an international perspective can only hurt students trying to survive in a world that is increasingly interdependent and diverse.

Likening a student's experiences on the same campus day in and day out to a person living on a steady diet of hotdogs and hamburgers, Dr. Salper said she's helping her students expand the menu.

"If you've always lived on hamburgers and hotdogs and suddenly someone gives you lobster and steak, you will say, 'why didn't I have this before?' There is so much more to the world beyond the United States that it really isn't fair to deprive students the opportunity to experience it."

### DIVERSITY BRIEF

#### University Women's Club

The University Women's Club invites members and guests to a program by Jackie Esposito, assistant archivist with the University Libraries, on "Student Life at Penn State," at the Penn State Scanticon at 1:30 p.m. Friday, Jan. 20. A tour of The Scanticon will follow the presentation.

## Kente cloth exhibit opens at Paul Robeson Cultural Center

The Paul Robeson Cultural Center presents a showing of the artistry of traditional West African narrow strip weaving, "Kente Cloth of the Asante Kings," Jan. 14 - Feb. 20. This cloth, used as both clothing and art work, is woven by men only in the villages of Wono and Bonwire in Asante, Ghana.

The hand-woven and hand-sewn Kente strips displayed in the exhibit are four inches wide and 120 inches long for a man's piece, while those for a woman are four inches wide by 72 inches long. The average man's piece is 22 to 24 strips, while a woman's is one piece of 13 strips for a skirt, and one of 11 to 12 for the top.

Traditionally, the cloth was worn wrapped around the body toga-style and was considered similar to wearing a suit. In today's more contemporary Afrocentric look, the Kente is sewn into skirts, dresses, cummerbund and tie sets, shawls and belts.

The wearable art on exhibit ranges from a wall hanging named after the wife of Ghana's first president after independence, Kwame Nkrumah, to a wall hanging that is more than 50 years old, to a piece named after the Ghanaian king of Akwem Abakwa circa 1913-1933.



## News in Brief

### Faculty/Staff

#### Appreciation Night

The Penn State Lady Lion Gymnastics Team will host a "Faculty and Staff Appreciation Night" at 7:30 p.m. Friday, Jan. 20, when they compete against Oregon State and Alabama in Recreation Building on the University Park Campus. All Penn State faculty/staff and a friend will be admitted free with a staff i.d. card.

#### Financial aid

The Center for Adult Learner Services is sponsoring a program titled "How to Apply for Financial Aid," from noon-1 p.m. Tuesday, Jan. 24, and from 6-7 p.m. Wednesday, Jan. 25, in 329 Boucke Building at University Park. Those attending should bring their 1995-96 FAFSA forms.

Anyone interested in attending or needing more information, should contact the center at 863-3887 or stop by 323 Boucke.

#### Support group

A service and support group for Catholic faculty and staff is forming on the University Park Campus. An organizational meeting will be held at noon Thursday, Jan. 19, in room 105 White Building at all interested faculty and staff. Please bring a bag lunch and any thoughts on the structure and focus of the group. Questions can be directed to Mike More, 863-0353, or e-mail Martin Klancher, 160@psuvm.

#### PSEOP meeting

Penn State Educational Office Professionals invites you to attend a special topic meeting, "Intro to Penn State's EAP as a Confidential and Beneficial Resource," at 12:10 p.m. Friday, Jan. 20, in room 101 Kern Graduate Building at University Park. The speaker will be Nancy Sassano, coordinator of Faculty Staff Health Promotional Programs, Office of Human Resources.

Penn State Educational Office Professionals is a professional organization whose membership consists of faculty, staff, non-exempt and technical services. PSEOP is dedicated to promoting professional development among Penn State's office employees. For more information, contact membership coordinators Sandy McGinn (SSM, 865-5403), Lisa Bechdel (bechede@pspsu.edu), or Jenny King (JKK, 865-7681).

#### Presentation proposals sought

University faculty are encouraged to submit a presentation proposal for the third annual Teaching and Learning with Technology Symposium, April 8, at University Park. The symposium, sponsored by the Center for Academic Computing, is a forum for sharing ideas and techniques to improve teaching and learning through the use of technology.

Interested faculty are invited to submit their proposals by Feb. 21, on topics such as: computer applications or simulations in teaching; Internet information use in teaching; electronic mail use relating to a course; computer-aided design in teaching; any use of information technologies to enhance teaching and learning. All proposals should include to demonstrate and discuss their instructional methods. Each session will be 30 minutes in length.

To request a presentation proposal, include your name, address and phone in a message to skt107@psuvm.psu.edu or call Susan Clark at (814) 863-7768. Presentations proposals also are available on the World Wide Web via the URL <http://ets.cac.psu.edu/cit.prop/>.

#### Help for parents

Parenting Plus and Penn State Child Care Program Services announces two opportunities for parents this spring semester: a Parenting Skills Training Program and a Parent Support/Discussion Group.

The 12-week Parenting Skills Series is based on the methods of renowned Penn State researcher and teacher Louise Guernsey, will be held on Tuesdays beginning Jan. 31 from 12-1 p.m. The goal of the program is to enhance the relationships between parents and children, with parents learning skills to improve communication, understanding and discipline. The class is open to all parents.

The Parent Support/Discussion Group will meet on Thursdays from 12-1 p.m., beginning Feb. 2. Discussions will be aimed at enhancing the parent-child relationship and will focus on topics of interest to parents. This class is specifically designed for parents of children age 2-10 years.

Both groups will meet in the Paul Robeson Cultural Center. These programs are free. For more information and to register, call Elaine Wettstone at Child Care Program Services, 865-9346. Please register early. Spaces are limited.

#### Brown bag lunches on advising

Beginning this month, the University will offer a new forum for discussing academic advising issues. Throughout Spring Semester, the Division of Undergraduate Studies will host a series of brown bag lunches on advising. All University faculty and staff interested in discussing this topic are welcome to attend. The schedule is Tuesday, Jan. 24 (Wednesday, Feb. 15; Thursday, March 16, and Tuesday, April 18. All lunches will be held from noon to 1 p.m. in 305 HUB on the University Park Campus.

The goal of January's lunch will be to develop a list of topics for mutual interest. Each subsequent lunch will address one or more of these issues. For more information,

please contact Laura Brown, 205 Grange Building (814) 865-7576, LBSI@psuadmind (Bittnet) or LBSI@oas.psu.edu.

#### Learn to swim

The Department of Exercise and Sport Science is offering a "Learn to Swim" program for faculty and staff during the Spring semester 1995. The lessons, designed to teach non-swimmers the fundamentals of swimming or to improve the skills of weak swimmers, will be held in the White Bldg. pool on Tuesdays and Thursdays from 12:10-12:50 p.m. The class will run from Jan. 31 through March 2. Those interested should call 865-2418 to register. There is no cost for the lessons; however, a pool pass must be purchased. Enrollment will be limited to 15 people.

#### Human subjects seminar

The Office for Regulatory Compliance will be providing a seminar on the "Protection of Human Subjects in Research" during the spring semester. It is designed to explain the human subjects review system and will provide instruction on how to prepare a protocol for review by the Institutional Review Board.

Faculty, staff and students who are new to human subjects research are urged to attend. The seminar is scheduled for 2 p.m. Tuesday, Jan. 31, in room 101, Kern Graduate Building, University Park.

Upon request, the seminar will be presented for any course or interested group. It would be helpful if instructors who plan to refer a large number of students to the scheduled seminar would contact the Office for Regulatory Compliance, at 865-1775, to ensure adequate seating.

#### Animal care seminars

The Office for Regulatory Compliance will be providing basic and special topic seminars once a semester. The basic seminar is a 90-minute orientation program about animal care and use. The special seminar will address more specific topics, such as zoonotic diseases and anesthesia. Both are designed for all University personnel involved in animal research. For more information, call Candice Yekel at 865-1775.

#### Science writers

Andrea Messer, science and research information officer in the Department of Public Information, will lead a roundtable discussion of online resources for science writers at the Penn State Chapter of the National Association of Science Writers luncheon meeting Wednesday, Jan. 25, in 201 Rose Building.

The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale at 865-9481.

## Theatre

continued from page 1

partner" in the final competition. All ACTF design competition winners in the region were from Penn State and a Penn State student won the national costume design competition.

Faculty and staff from the department last spring received an Eisenhower Award, a professional achievement award, the University-wide award for staff and a Provost's Award for collaborative teaching. Over the past three years, graduate students in the program have been among the top award winners at the graduate student research exhibition.

Faculty for the department hold offices in national and regional professional organizations, serve as national and international consultants in the professional theatre and entertainment industry, present papers, and publish numerous articles and books.

Undergraduate students from the department have gone on to pursue graduate training in programs at the University of Washington, Boston University, California at Irvine, Carnegie Mellon, California at San Diego, and Florida State University.

## Harrisburg

continued from page 1

"Carl is a dynamic and effective community leader who cares deeply about southeastern Pennsylvania and Penn State Harrisburg," Theodore E. Kiffer, interim provost and dean at Penn State Harrisburg, said. "He has demonstrated the caliber of leadership that will be required to make the forthcoming campaign a success."

The proposed "Library of the Future" will add critically needed space to house the 1.2 million holdings, the University Libraries' second-largest collection after the Pattee Library at the University Park Campus. The Harrisburg collection includes 230,000 books and bound journals, 1 million microfilms and more than 4,000 pamphlets and maps.

The service area of the new library will encompass nearly 1.5 million potential users, including about 7,200 graduates of the college who live in southeastern Pennsylvania, as well as area businesses and state government. Existing library space has not increased since 1978. During that same period, Penn State Harrisburg's enrollment has grown nearly 60 percent, to 3,628 students.

The new facility "will position Penn State Harrisburg as an even greater resource for regional economic development," according to Mr. Campbell. "Penn State's reputation as the football field is well known in southeastern Pennsylvania," he said, "but few of us consider how much the resources of a first-rate academic research library will contribute to our economy and the quality of life in the region. The library clearly needs more space to respond to user demands and house its growing collections. I'm proud to be associated with the effort to provide these for the people and industries of the region."

# LECTURES

## MIT provost to give January Priestley Lectures in Chemistry

Mark Stephen Wrighton, provost of the Massachusetts Institute of Technology and Ciba-Geigy Professor of Chemistry, will present the 1995 Joseph Priestley Lectures in Chemistry from Jan. 23-26 at University Park Campus. The four-lecture series, titled "Design, Synthesis, and Characterization of Modified Surfaces," is sponsored by the Eberly College of Science and by a grant from Exxon Research and Development Laboratories. The public is invited.

The lectures include: "Photochemical Patterning of Surfaces," 8 p.m. Monday, Jan. 23, 117 Osmond Laboratory; "Coordination Chemistry of Surfaces," 4 p.m. Tuesday, Jan. 24, 55 Osmond Laboratory; "Electrocatalytic Oxidation of Alcohols," 4 p.m. Wednesday, Jan. 25, 55 Osmond Laboratory; and "New Surface-Confined Conducting Polymers," 12:15 p.m. Thursday, Jan. 26, 55 Osmond Laboratory.

Dr. Wrighton's main research interests lie in the areas of transition metal catalysis, photochemistry, surface chemistry, molecular electronics, and photoprocesses at electrodes. A main objective of his research is to develop new molecular approaches for the conversion of solar energy into electricity and energy-rich fuels. He has made pioneering advances in organometallic photochemistry and catalysis, in semiconductor photoelectrochemistry, and in rational chemical modification of surfaces.

Dr. Wrighton received his doctoral degree in 1972 from the California Institute of Technology. He joined the faculty at Massachusetts Institute of Technology in 1972 and became professor of chemistry in 1977. From 1981 until 1989, he held the Frederick C. Keyes Chair in Chemistry, and in 1989 he was appointed the first holder of the Ciba-Geigy Chair in Chemistry. Dr. Wrighton served as head of the Department of Chemistry from 1987 until 1990 and became provost of Massachusetts Institute of Technology in 1990.

In recognition of his research accomplishments, Dr. Wrighton received an honorary Doctor of Science Degree from the University of West Florida in 1983 and the Distinguished Alumni Award from the California Institute of Technology in 1992. In addition, Dr. Wrighton received an Alfred P. Sloan Research Fellowship from 1974 to 1976 and a Dreyfus Teacher-Scholar Grant from 1975 to 1980.

He has won numerous awards, including the Pure Chemistry Award in 1981 from the American Chemical Society, the Gregory and Freda Halpern Award in Photochemistry from the New York Academy of Sciences in 1983, and the Award in Inorganic Chemistry from the American Chemical Society in 1988. He was awarded a MacArthur Prize Fellowship in 1983.

Dr. Wrighton was elected a Fellow of the American Academy of Arts and Sciences in 1988 and of the American Association for the Advancement of Science in 1986. In addition he has served on numerous national advisory committees and over the years has been a member of various research groups and panels.

The Priestley Lectures are named in honor of Joseph Priestley, the eighteenth century chemist who discovered oxygen, and were established by the late Professor Wheeler P. Davey in 1926.



Mark Stephen Wrighton

## Reporter to look at "American Agenda" on Jan. 24 at The Behrend College

Investigative reporter Dale Van Atta, a seven-time Pulitzer Prize nominee, will examine "The American Agenda," as it relates to the news media, at Penn State Erie, The Behrend College, at 7:30 p.m. Tuesday, Jan. 24.

Mr. Van Atta's lecture, "Scandals, Soundbites, and Saints: The News Behind the Headlines," is part of the college's annual Speaker Series. The talk is open to the public. The award-winning Speaker Series is sponsored by the Office of Student Affairs and supported by the John Nesbit Rees and Sarah Henne Rees Foundation.

Mr. Van Atta has been America's eyes and ears in Washington, Eastern Europe, the Middle East, and beyond.

He was the first to report the Ayatollah Khomeini's ultimately fatal heart attack, and the first to uncover the top two stories of the 1980s—the savings and loan debacle and the Intra-Contra arms-for-hostages scandal.

After earning his first of six Pulitzer Prize nominations as an investigative reporter at Salt Lake City's *Deseret News*, Mr. Van Atta became the nation's youngest syndicated columnist when he joined Jack Anderson's "Washington Merry Go Round." He is presently an investigative contributor to *Readers Digest*, *The New York Times*, *Nation*, *Time*, *The Washingtonian*, *The Economist*, *The Far Eastern Economic Review*, and the German magazine *Stern*.

## Consumers take heart

### Consumer advocate Ralph Nader to visit University Park tonight at 8

National consumer activist Ralph Nader will give a free lecture at 8 tonight in Schwab Auditorium. No tickets are required and the doors will open at 7:30 p.m.

Mr. Nader's lecture, sponsored by the Undergraduate Student Association, is scheduled to be "Consumers: Powerful or Powerless? Make Your Choice."

Since the mid 1960s with the publication of *Unsafe At Any Speed*—a scathing account of the auto industry—Mr. Nader has taken on major corporations and the federal government to ensure consumer health and safety. The 1966 motor vehicle safety laws are largely attributed to his work.

Since then he has broadened his investigations into such issues as environmental, labor and tax practices, and his activities have spawned citizen groups and public interest research groups across the country. The Freedom of Information Act of 1974 is identified as one of his proudest achievements.

Among his books on consumer education are such bestsellers as *The Frugal Shopper*, *Winning the Insurance Game*, and *Getting the Best From Your Doctor*. His teams of "Nader Raiders" are exploring multi-media approaches to bring this information to the finger-tips of millions of Americans.



Ralph Nader

## Spring schedule for Colloquy lectures

■ Monday, Jan. 23: Valerie Harper; 8 p.m. Schwab Auditorium, University Park.

■ Tuesday, Feb. 21: Robert Kennedy Jr.; 8 p.m., Penn State Scenic.

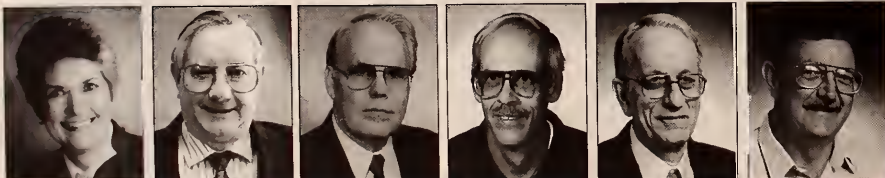
■ Wednesday, April 5: Anita Hill; 8

p.m., Eisenhower Auditorium, University Park Campus.

■ Monday, April 10: Norman Lear; 8 p.m., Schwab Auditorium, University Park.

All lectures are open to the public; no tickets necessary.

## 25-year Awards



Observing 25 years of service at the University are, from left, Janet A. Colaluca, staff assistant, Harvey R. Kelly Jr., assistant professor of speech communication, and J. Paul McRoberts, associate professor of English and acting director of academic affairs, all at the Penn State Beaver Campus; Charles Carter III, staff assistant, Golf Course Pro Shop, Office of Auxiliary/Recreation Services; Earl Parthenheimer, professor of agricultural economics, and Gerald Smeal, livestock processor in the Meats Laboratory, both in the College of Agricultural Sciences.



## Highlight on Undergraduate Education

## Input of top business executives prompts changes in Smeal College offerings to bring together disciplines

Under a new, overhauled program, University of Pennsylvania students are learning about business in a way that brings down the old barriers between the disciplines of finance, logistics, operations, marketing and management.

Over the past 35 years, said Peter D. Bennett, associate dean of The Smeal College of Business Administration, undergraduate business students have been taught in separate "silos," his figurative term for the different disciplines in business.

"We've gotten very good at teaching marketing, operations, management, finance, and all the other disciplines. But up until now we haven't worried about what's going on in the other guy's silo. What we're trying to do with this new curriculum is tear down the silos."

Using the input of top executives at some of the 800 largest corporations in the country, including IBM and Kodak, as well as medium-sized companies, The Smeal College created an integrated core of courses that brings the disciplines together. It also:

- emphasizes ways to manage quality and technology;

- prepares students to work well in a more ethnically diverse environment and to make decisions ethically;

- internationalizes the curriculum, requiring the study of foreign languages and other cultures and expanding opportunities for study abroad; and
- provides ample opportunities to round out a business education with courses in the arts, sciences, and humanities.

Before the new curriculum was developed, students could still study all these disciplines, but not in an integrated way. The integrated core concept "allows students to absorb information in interconnected ways that they can apply to real problems," Dr. Bennett said.

J.D. Hammond, dean of The Smeal College, said the program's core courses "will give students an insider's view of the way a business really operates — how finance, management, logistics and marketing all work together to deliver quality goods and services that meet customer needs. We believe this approach will set a new standard in business education."

Ronald S. Koot, associate dean for undergraduate programs, emphasized the comprehensive international orientation of the new curriculum. "In

addition to the study of foreign language and culture, international business topics will be integrated into every undergraduate course wherever possible," he said. "Thus, both components of the curriculum — general education and business — will focus on global perspectives."

The new curriculum, which started in the fall, also will incorporate diversity management, information systems, total quality management, strategy, and social and environmental issues, among others.

The reshaping of the curriculum is supported by the corporate executives contacted by the college. In general, they say, their current strategy is to hire more new bachelor's degree recipients, rather than new MBAs, and will lean toward hiring new bachelor's degree graduates and giving the best of them executive training at a later time.

The new undergraduate curriculum was inspired by changes instituted during the 1993-94 school year in The Smeal College's MBA program. Also built around an integrated core, the new graduate curriculum allows MBAs to specialize in a field of their choice during their second year of study. Now in its second full year, it was the product of an intensive two years of development involving students, faculty members, and alumni leaders.

The Smeal College is highly regarded. Recently it became the first major U.S. business school to be reaccredited under the new standards of the country's leading management education accrediting organization, the Association to Advance Collegiate Schools of Business (AACSB).

For many years, AACSB had rigorously prescribed how business schools worked, but in May 1992, it virtually threw out all its old guidelines and gave business schools great leeway in determining how to teach business.

The Smeal College's previous undergraduate programs already had established a strong benchmark of quality, being rated 22nd overall in the most recent "Gourman Report" and even higher in specific fields.

Also, The Smeal College this year was ranked No. 8 of the more than 750 schools whose graduates will be provided by Alumnus and Partners in the world's "Big Six" accounting firms, according to a survey conducted by Bowman's Accounting Report, an Atlanta-based trade publication.

— Alan Janesch

## How it all fits

The Smeal College's revamped undergraduate degree program brings together the disciplines of finance, operations, logistics, marketing, and management. It works like this:

In their freshman year, business students sign up for English composition, calculus, a foreign language, and other courses that meet general education requirements. Taking a foreign language course begins to satisfy the requirements of the curriculum's new "international module."

Students who take Spanish, for instance, also may study the history of Latin America and Spanish-language literature," Peter D. Bennett, associate dean of The Smeal College, said. "In that way, students can internationalize themselves not only by learning another language, but also by learning something about the culture of those who speak that language."

In the sophomore year, courses include accounting; business statistics; social, legal, and ethical environment of business; management information systems; computer science, and economics. The students' business education begins with a four-credit course that explores the technological, ethical, legal, social, and physical factors affecting corporate operations.

In the junior year, business students will take the 12-credit "integrated core" of four business courses in finance and financial services; operations, quality, and supply logistics; marketing and distribution, and managing organizations. Each course will use case studies to explore the issues business people face every day.

In the senior year, having studied all the management essentials, students may specialize in any of the college's 22 majors, and take supporting courses and international area courses. They also may serve as mentors to younger students in the program.

— AJ

## Institute

continued from page 1

professor of statistics; Judy L. Ozment, associate professor of chemistry at the Penn State Ozone Campus; Karen Paulson, graduate student, and Vinitha Sundararajan, undergraduate student.

Noting that active learning in collaboration with peers is a key to preparing students for a life of learning in the communities and work places of the 21st Century, Dr. Brighton said that the institute's initial activities will promote the transformation of classrooms from conduits of information to interactive workshops, studios, and laboratories.

"It will support faculty efforts to add active learning components to their courses and teach students the social and cognitive skills necessary to

become life-long learners. The goal is to find, support, and evaluate at least 100 projects that introduce active learning to the classrooms in the first two years."

Under the Institute's structure, the Steering Team, supported by an administrative assistant and a staff assistant, will conduct the program. Learning needs assessment and evaluation will be provided by Alumnus and Partners. A Special Advisory Board of 15 members appointed by the provost. Faculty associates, chosen for two-year terms based on their projects for adding collaborative and active learning elements to their courses, and student interns, chosen for one-year new roles, will be based on their ability to contribute to faculty

projects, will facilitate the classroom innovations. The Institute will operate under John J. Cahir, vice provost and dean of undergraduate education.

Major activities during the first year will be faculty and student recruitment and training and the initiation of classroom innovation projects. According to Dr. Spence, first-semester activities will focus on three areas:

1. Enabling faculty associates to increase the active participation of students in their learning through financial support and the assignment of student interns. Encouraging such participation in large classes will be a priority.

2. Facilitating discussions among faculty and students that promote exchanges of experience, ideas, methods, technologies and proposals. "A first task," Dr. Spence said, "will be to identify the many faculty members who now work alone applying collabor-

ative and active learning projects in their courses, and bring them into a community of innovators. A second task will be to help faculty locate and try new instructional technologies."

3. Planning classroom projects for future years also will be a priority during the first semester. "During the Spring 1995 Semester," Dr. Spence said, "limited pilot projects will help us learn how to support faculty innovations while future projects will be more ambitious and involve special classrooms, new software, highly trained student interns, expert consultations and long-term commitments that require planning."

The organizational timetable calls for selection of an Advisory Board and staff hiring during Spring Semester 1995.

## Partings

### Assistant professor retires after lengthy career



Paul Barton

for Microcomputers software.

Paul Barton, assistant professor of chemical engineering, has retired after 36 years of service.

An expert in separation processes, Dr. Barton wrote numerous refereed journal articles, for such publications as *Environmental Science and Technology*, *Journal of Supercritical Fluids* and *British Chemical Engineering*. He also compiled a manual, *Treatment of Liquid/Solid Hazardous Wastes*, for PENNTAP and was instrumental in developing the Distillation, Multicomponent State-to-State

During his career at Penn State, he also worked in industry. He served for one year as a Visiting Scientist at Argon National Laboratory, performing research in the nuclear breeder reactor program. Recently, he worked for a year at Air Products and Chemicals, designing pilot plants for chemical research. During summers, he served as an assistant engineer for the Philadelphia Electric Company where his duties centered on plant engineering and as a project engineer for Union Carbide, specializing in engineering research.

After receiving his undergraduate degree in chemical engineering from Penn State, Dr. Barton was appointed a full-time research assistant. He was named assistant professor after completing the master's and Ph.D. programs in chemical engineering at Penn State.

### Library assistant ends service

Marjory Blubaugh, library assistant at the Penn State Mont Alto Campus, has retired after 20 years service.

Ms. Blubaugh, originally was hired as a part-time clerk in the campus library, filling in during a maternity leave. Six months later when the new mother decided not to return to her job, Ms. Blubaugh assumed a full-time position, her first since leaving the workforce to raise her own children, Maureen, Colleen and Bill.

During the past two decades, she has handled many of the duties required to operate a University library—acquiring books, overseeing interlibrary loans, ordering approximately 195 magazines and 10 newspapers, conducting an annual inventory of the collection and compiling newspaper articles which mention Penn State Mont Alto. She has helped students to use the library effectively and, with the demise of card catalogs, to maneuver the latest technology.

But her love of history led her to her favorite responsibility—maintaining the campus archives. She also has become an expert on campus history, served as a resource to researchers, wrote a historical column for the campus newsletter and compiled information for a campus brochure, "A Brief History of the Mont Alto Campus."

Since she moved to Franklin County, Ms. Blubaugh's interests have expanded to include local history, and her retirement plans include volunteering at the headquarters of the Kittichinn Historical Society in Chambersburg. During retirement she also plans to continue working part-time at the Coyle Free Library in Chambersburg, singing in two choirs, collecting stamps and business cards and updating the Mont Alto Campus archives on a volunteer basis.



Marjory Blubaugh

### Graphics supervisor leaves after 33 years

James McClure, graphic services supervisor in agricultural information services in the College of Agricultural Sciences, has retired after 33 years service.

Mr. McClure joined the University in 1961 as a publications art assistant, in what was then Agricultural Communications. During his career, he designed educational, recruitment and public relations materials. He has won numerous awards for his designs, including several from Agricultural Communications Education (ACE). He designed *Penn State Agriculture*, the college's magazine, which has won a number of awards from the Council for Advancement and Support of Education. During his career, he was a member of ACE and the American Institute of Graphic Art.

Before coming to Penn State, Mr. McClure worked as a publications staff artist at Michigan State University. He also was a designer for General Motors, an advertising art director for Campbell Ewald Agency and an illustration and layout designer with the Detroit Art Studio.

Mr. McClure has been active in community affairs since the early 1970s, serving on the State College Borough Council from 1970 to 1980. He was instrumental in creating the

Centre Area Transit Authority (CATA) bus system, and he co-designed the orange and white design for the buses. He was also a member of the Council of Governments Transportation Committee. As a member of the Public Services Committee, Mr. McClure was instrumental in installing streetlights and replanting trees on many of State College's streets. He also was active in environmental groups, including Trout Unlimited.

Mr. McClure lives in State College and has two daughters, Mary Catherine Kennedy, who graduated from Penn State, and Laurel Ann McClure, who graduated from Swarthmore and Stanford Medical School.



James McClure

### Altoona's director of Student Affairs parts

H. George Russell, director of Student Affairs at the Penn State Altoona Campus since 1968, has retired.

Mr. Russell worked for the campus for 26 years, after starting at University Park in 1963 as assistant to the dean of men. He holds a B.S. in psychology from Bucknell University, and an M.S. in counselor education from Penn State.

While at the Altoona Campus, Mr. Russell served on a number of University committees in the Commonwealth Educational System; as chair-



H. George Russell

person of the CES Leadership Conference Planning Committee, and as adviser to Alpha Lambda Delta, the Freshman Scholastic Honor Society. He was recognized on three separate occasions by the Altoona Campus SGA for his outstanding service.

Mr. Russell, who was born in Pottsville and raised in the Wilkes Barre region, has lived in Altoona since 1968 with his wife, Pat. They have two children. He is active in the Altoona community as a member of Rotary, the Masons, and is an elder in the Ward Avenue United Presbyterian Church. He served as chairperson for a number of Chamber of Commerce committees, and on the board of directors for a number of community organizations.

Mr. Russell plans to remain active in Masonry, and he and his wife are looking forward to traveling during their retirement.

### Number of employees retire from University service

Norma Bayer, supervisor of material services, Continuing and Distance Education, from July 1, 1968, to Jan. 1.

Alegria B. Bendelac, professor of French, Penn State Schuylkill Campus, from Sept. 1, 1976, until Jan. 1.

Mary C. Saylor, associate professor of extension education, College of Agricultural Sciences, from July 1, 1976, to Dec. 31.

Patricia U. Yoder, staff assistant VI, Health and Human Development, from Nov. 15, 1979, until Jan. 1.

Vivien R. Griffith, staff assistant IV, Continuing and Distance Education, from Jan. 3, 1977, to Jan. 1.

Mary E. Klinger, table attendant, Nittany Lion Inn, from Aug. 12, 1979, to Dec. 31, 1994.

Patricia F. Mayes, staff assistant VI, Office of Physical Plant, from July 3, 1978, to Dec. 31, 1994.



## Awards

### NASA-funded grants awarded

A new program that promotes interdisciplinary research and offers students a chance to experience the workplace environment has announced the winners of its 1994 awards.

The STIR program, Stimulating Interdisciplinary Research and Development, was started in the fall and is part of the NASA-funded Pennsylvania Space Grant Consortium. The consortium, a network of colleges and universities across the nation, encourages the development of students in science, engineering and technology fields from kindergarten to postdoctoral studies.

The winning entries, which will receive a stipend to help support the project, include:

■ **Human Attentional Lapses and Eye Movements: An Exploratory Study**

Faculty: Joseph H. Goldberg, associate professor of industrial engineering, and William J. Ray, professor of psychology.

Students: Xerxes Kotval and Esa Rantanen

■ **The Role of Nitric Oxide in Regulation of Testicular Function: An Interdisciplinary Approach**

Faculty: Daniel R. Deaver, professor of reproductive physiology, and Janice Derr, research associate in statistics and managing director of the Statistical Consulting Center.

Students: Victoria Meskaitis, Dana Lapple, Rachael Williams and Karen Garlicki

■ **A Study of Tethered Human Exercise in Simulated Microgravity**

Faculty: Peter R. Cavonius, professor of biobehavioral health and director of the Center for Locomotion Studies, and Janice Derr, research associate in statistics and managing director of the Statistical Consulting Center.

Students: Jeannine McCrory and Sandy Balkin

■ **A Lunar Controlled Environment Life Support System**

Faculty: Paul N. Walker, professor of agricultural engineering; Robert Berghage, assistant professor of horticulture; and Craig Bernecker, associate professor of architectural engineering

Students: Edie Sears, Rachel Shuey and John Schuliger

■ **The Role of Milk-Protein in Intraepithelial Lymphocyte Function and Phenotype**

Faculty: Andrea Mastro, professor of microbiology and cell biology, and Mary Frances Picciano, professor of nutrition.

Students: Amy Reed, Rebecca Miller, Jennifer Krenos and Branda Bookle.

## Three Penn Staters chosen for NSF 1994 Young Investigator Awards



Karl T. Mueller



Victor Nistor

Three University faculty members have been selected to receive 1994 National Science Foundation Young Investigator Awards, which recognize outstanding young faculty members and enhance their research and teaching careers.

Recipients are Karl T. Mueller, assistant professor of chemistry; Victor Nistor, associate professor of mathematics, and Pavel A. Pevzner, associate professor of computer science and engineering.

Each Young Investigator can receive up to \$100,000 per year for five years through a combination of federal and matching private funds. Each award provides an annual base NSF grant of \$25,000 and an additional amount of up to \$37,500 to match funds from the private sector.

The three Penn State researchers were among 197 scientists and engineers from universities nationwide chosen through a merit review process that focuses on the candidate's accomplishments and potential to make substantial contributions as researcher and a

teacher.

Dr. Mueller conducts research on the molecular structure and chemistry of solid materials using nuclear magnetic resonance (NMR) spectroscopy. He has been directly involved in two major developments that have made it possible to obtain directly knowledge of local molecular structure and topology. His long-range research goals are to develop better NMR techniques and "to understand macroscopic behavior based on the local structure as determined by NMR so that we may contribute to improvements of optical or electronic properties in glasses and catalytic behavior in zeolites."

He received a B.S. from the University of Rochester in 1985 and a Ph.D. from the University of California, Berkeley in 1991. He also completed a year of postgraduate studies as a Churchill Scholar at Cambridge University, England, in 1986 and was a postdoctoral fellow at University of British Columbia, Vancouver, from 1991 to 1993. He joined Penn State as an assistant professor in 1993.

Among his honors are an NSF-NATO Postdoctoral Fel-



Pavel A. Pevzner

lowship in Science and Engineering in 1991 and a Henry and Camille Dreyfus New Faculty Award in 1992.

Dr. Nistor's research centers on operator algebras, an area in the intersection of analysis and algebra that is important in the application of mathematics. His current research goals include the application of analysis, especially index theory and cyclic cohomology, to geometry, physics and representation theory of groups. In his research program, he will use as tools, techniques and mathematical

arguments that he recently developed that have led him to several advances, reported in a series of widely praised scholarly papers, in index theory and cyclic cohomology.

He received a master's degree from the University of Bucharest, Romania, in 1986 and a Ph.D. from University of California, Berkeley, in 1992. He joined Penn State as an assistant professor of mathematics in 1993. He also served as the Benjamin Peirce Lecturer and assistant professor at Harvard University until 1992. He had been a researcher at the Mathematical Institute of the Romanian Academy from 1986 to 1991.

In his research program, Dr. Pevzner brings the tools of computer science to bear on the problems of molecular biology. Over the next few years, he has proposed algorithms and software to aid in resolving problems in three major areas of computational molecular biology: DNA sequencing, DNA physical mapping and DNA sequence comparison.

He also closely collaborates with the biotechnology industry in developing DNA chips for sequencing and medical diagnostics.

He received an M.S. degree in 1979 from the Moscow Technological Transport Institute and a Ph.D. from the Moscow Institute of Physics and Technology in 1988. He was a postdoctoral research associate at the University of Southern California in 1992.

Dr. Pevzner joined Penn State in 1992 as an associate professor and is affiliated with the Institute for Molecular Evolutionary Genetics and with the Biotechnology Institute, both at the University. From 1985 to 1990, he had been a scientist at the National Center for Biotechnology, NIICENETIKA in Moscow, Russia.

This is the last year for the NYI program. Beginning in federal fiscal year 1995, a new Faculty Early Career Development (CAREER) program will involve a more extensive research and teaching plan and will be more tailored to specific science and engineering disciplines.

## Computer science professor honored with research award

Dima Grigoriev, professor of computer science and engineering, has received a Max Planck Research Award from the Max Planck Society and the Alexander von Humboldt Foundation of Germany.

Dr. Grigoriev, who specializes in complexity in computer algebra, has a Ph.D. in computer science and mathematics from the Institute of the Academy of Sciences of the USSR (Leningrad).

The Max Planck Award includes a DM100,000, three-year grant for project-oriented joint research and to develop long-term partnerships between foreign and German

institutions. The award recognizes internationally-known foreign and German scholars for outstanding research achievements.

Only two awards were offered this year. Dr. Grigoriev will work with Professor Friedrich Hirzebruch of the Max-Planck-Institut für Mathematik in Bonn, Germany.



Dima Grigoriev

# The ARTS

AT PENN STATE

## Bach's Lunch

Saxophonia, a saxophone quartet, will perform at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and University Lutheran Parish.

The quartet consists of four saxophone majors from the School of Music: Susan Kearney, a sophomore in the music education program, plays soprano saxophone. Eric Hartman, a graduate saxophone performing major and a teaching assistant, plays alto saxophone. Rich Nasto, a junior in the music education program, plays tenor saxophone, and Kyle Glaser, a sophomore in the music education program, plays baritone saxophone.

The Penn State Trombone Choir will perform at 12:10 p.m. Thursday, Jan. 26, in the chapel for the Bach's Lunch series.

The Trombone Choir consists of 20 members, all of whom are music majors. Mark Lusk, associate professor of music, is the conductor and Bruce Tyckinski, a graduate trombone performance major, is the assistant conductor.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performances. Coffee and tea will be provided. The concerts are free to the public.

## Community Sing Program

The Penn State Committee for the celebration of the annual observance of the Martin Luther King Jr. Holiday announces a special musical program to be held at State College Area Senior High School at 2 p.m. Saturday, Jan. 21. The Community Sing Program will feature choirs and ensembles from the State College area in a choral salute to the legacy of Dr. King.

Choirs from the State College community that will be featured at the event include the St. Paul Methodist Church Youth Choir, Penns Valley Senior High School Choir, State College Area High School, the Penn State Concert Choir, Essence of Joy, Penn State, the Penn State University Choir and the State College Area Community Choir, comprising university students and singers from the State College community.

The event is free to the public. However each audience member is asked to bring a non-perishable item that will be donated to the State College Area Food Bank. Specific items needed are bar soap, cans of tuna, dry spaghetti and boxed macaroni and cheese.

For more information please contact Tony Leach, College of Arts and Architecture School of Music, at 865-6521.

## Student drawings

The exhibition, "Scapes: Student Drawing Exhibition" continues through Wednesday, Feb. 1, in the gallery on the second floor of the Schow Memorial Library in downtown State College.

The show features drawings by students in the Area 120B visual communication course taught by Richard Alden, assistant professor of architecture. It is free to the public.

## Performing Arts schedule

The Center for the Performing Arts spring schedule features 17 events, ranging from Shakespearean tragedy to Broadway-style extravaganzas, from classical orchestras to the blues. The season opens Jan. 21 and runs through April 21.

A few of the highlights include:

- Pianist Andre Watts, one of classical music's most beloved performers, will appear with the Minnesota Orchestra Saturday, Jan. 21.

- "The Tragedy of Macbeth" unites leading actors of The Royal Shakespeare Company and The Royal National Theatre of Great Britain in a version of the tragedy that doesn't alter the original text. However, the setting has been changed from 11th-century Scotland to modern Africa. The play will be performed Saturday, Jan. 28.

- Anner Bylsma, considered the premiere baroque cellist of the latter 20th century, is best known for his interpretations of J.S. Bach's "Suites for Unaccompanied Cello." He plays all six suites in a two-part performance, Saturday and Sunday, Feb. 4 and 5.

- Tenor saxophonist Stanley Turrentine, acclaimed for his unique sound, will perform Friday, Feb. 10.

- David Mamet's "Oleanna" confronts the loaded issues of political correctness and sexual harassment. A professor up for tenure and a female student failing his class provide a conflict with no easy answers, and no pat solutions. It plays two shows Saturday, Feb. 11.

- The New York City Opera National Company, returns with "The Barber of Seville" on Saturday, Feb. 18.

- "Jesus Christ Superstar," while 22 years old, remains a powerful work combining biblical story with rock and roll. It plays Friday and Saturday, Feb. 24 and 25.

- "Still/Here," an evening-length dance by the Bill T. Jones/Arnie Zane Dance Company, is a multi-media event about living while dealing with terminal illness. Eleven survival workshops—including one in the Centre Bar—were conducted by Bill T. Jones with people from ages 11 to 75 dealing with life-threatening illness to provide the material for the performance. It will be performed Saturday, March 18.

- Les Violons du Roy, of Quebec City, Canada, makes its United States debut at Schwab Auditorium with an all-Vivaldi program Friday, March 31.

- The Chamber season concludes with a performance by Ballet Comiciendo de Puerto Rico. It participates in a Penn State residency culminating in a performance Friday, April 21.

## Opera gala

The Penn State Opera Theatre will present its second annual Opera Gala, a concert of arias, ensembles and choruses from well known operas, at 8 p.m. Sunday, Jan. 22, in the School of Music Recital Hall on the University Park Campus. Tickets may be bought at the door for \$4; student tickets are available for \$2.

Verdi's "Nabucco" will be sung by the Penn State's Women's Chorus, under the direction of Alex Hill, and the Penn State Men's Glee Club, under the direction of Bruce Trinkle. Solo singers in the Opera Gala are voice students in the Penn State Opera Theatre, voice faculty in the School of Music, and voice alumni from the School of Music.

Faculty singers will be Richard Kennedy, tenor; Suzanne Roy, soprano; Norman Spivey, baritone; and Marshall Urban, baritone. Featured alumni will be Christine Mullen, soprano; Theresa Smith, soprano; Walter Wells, baritone; and Janice Wilson, mezzo soprano. The Opera Gala will be produced by Susan Boardman, the director of the Penn State Opera Theatre, accompanied by John Ulrich.

## South African printmakers

The work of 19 artists will be viewed in the exhibition "States of Contrast: Contemporary South African Printmaking" on display in the Zollner Gallery on the



South African print

This linocut piece, "Tol Toli in KTC" is part of the Zollner Gallery exhibit at University Park, which features the work of 19 African artists. The exhibition is sponsored by the Equal Opportunity Planning Committee, the School of Visual Arts and the Pennsylvania Council on the Arts.

University Park Campus through Feb. 26. The exhibit explores the diverse composition and perspective of the population, and the majority of the prints represent figurative narrations of a strongly surreal nature.

The works in the exhibit, primarily black and white images in relief and intaglio, were executed in the studios of the HardGround Printmakers Workshop, the Michaels College of Arts of the University of Cape Town, the Technikon Witwatersrand, and the Cape Arts Project as well as in the townships surrounding Cape Town.

Zollner Gallery is located at 101 Visual Arts building. Gallery hours are: 9 a.m.-5 p.m. Monday through Friday; 11 a.m.-4:30 p.m. Saturday, and noon-4 p.m. Sunday. The exhibit is free to the public.

## Museum gets watercolor

Edward Hopper's "Rocks at the Fort (Gloucester)," a watercolor painting of 1924, has been donated to the Palmer Museum of Art by Alvin and Jean Snowiss.

Edward Hopper is universally recognized as one of America's greatest artists. He is considered the leading realist painter of the twentieth century. He is especially renowned for his works set in New England, including views of the seaside at Gloucester, Mass. In the summer of 1924, he began painting watercolors of the area. "Rocks at the Fort" is one of the earliest of these watercolors painted out-of-doors.

In giving the painting to the museum, Mr. Snowiss said, "Jean and I have enjoyed owning this painting for many years. It has been exhibited in museums and galleries throughout America and Europe, where audiences have had a chance to see it. We now feel that the people of Central Pennsylvania and the Penn State community should have the same opportunity to enjoy the painting as we have."

Alvin and Jean Snowiss are long-time benefactors of the Palmer Museum of Art. Mr. Snowiss now serves as the chairman of the museum's Board of Advisors. Mrs. Snowiss also is a member. Mr. Snowiss also serves on the Penn State's National Development Council. In 1993, the American gallery in the new museum was named for Mr. Snowiss' parents, Benjamin and Lillian K. Snowiss.

## Medieval exhibition

The exhibit, "Medieval Art in America: Patterns of Collecting 1800-1940," will begin a national tour after its initial showing at the Palmer Museum in January 1996, not January 1995 as previously reported. Elizabeth Smith, associate professor of art history, will be the guest curator for the show.

"Medieval Art in America" is partly funded by a \$50,000 grant from the National Endowment for the Arts.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, January 19

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. "Saxophobia," a saxophone quartet.

Palmer Museum, 7:30 p.m. Kahren Arblman on "The Sources for Rembrandt and Rembrandt as a Source."

Friday, January 20

Deadline for nominations for Palmer Faculty Mentoring Award. Must have three copies of all material submitted to Deborah Awater, 308 Kern. For more information, call 863-1663.

Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "Looking at Rembrandt: The Art of Leonard Lebowitz and Ken Aptekar." Also, Jan. 27.

University Woman's Club, 1:30 p.m., Penn State Scanticon. Jackie Esposito on "Student Life at Penn State."

Geography Coffee Hour, 4 p.m., 319 Walker Bldg. James T. Mayer on "Will Space Matter Any More? The Prospect for Distance Education."

Saturday, January 21

Film, 1 p.m., Palmer Lipson Auditorium. "Reins of Light: The Baroque."

Sunday, January 22

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Minnesota Orchestra with Andre Watts, piano.

The Penn State Opera Theatre, 8 p.m., School of Music Recital Hall. "Opera Gala," a concert of arias, ensembles and choruses. Tickets may be purchased at the door.

Monday, January 23

CCL 330 p.m., Nittany Lion Inn Ballroom A. Susan Hillenreiter on "The Baldridge Assessment for Education as a Catalyst for Transformation and a Vehicle to Build Knowledge for Improvement."

Tuesday, January 24

The Center for Adult Learner Services, noon, 329 Bouke. Ron Nwanski on "How to Apply for Financial Aid." Also Jan. 25, 6 p.m. If attending call, 863-3887. Bring 1995-96 FAFSA forms with you.

Division of Undergraduate Studies, noon, 305 HUB. Brown bag lunch on advising.

■ The Archaeological Institute of America, 8 p.m., 101 Kern. Robert Bianchi on "Ancient Egyptian Jewelry: Its Form and Function."

Thursday, January 26

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Trombone Choir.

■ Australia and New Zealand Studies Center Australia Day Dinner, 7 p.m., Autopoint Restaurant, S. Atterton Street. Reserve by Jan. 20 with \$30 fee to 427 Bouke Bldg.

Friday, January 27

Sigma Xi, noon, 101 Kern Bldg. Michael Arthur on "Science by Submersible."

Saturday, January 28

Gallery Talk, 1 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "Rembrandt's Etchings."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. "The Tragedy of Macbeth."

Sunday, January 29

Film, 1 p.m., Palmer Lipson Auditorium. "The Mirror of Paradoxes: Rembrandt's Self-Portraits."



Pondering Rembrandt

A visitor to the Palmer Museum of Art's reception Jan. 10, which celebrated the opening of the Rembrandt exhibition, pauses a moment to view the artist's work, "The Three Crosses." Rembrandt's, as well as others, are on exhibit through March 5.

## PUBLIC RADIO

WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.;

Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Theatre & Shamrock," Sun., 4 p.m.

## SEMINARS

Thursday, January 19

Adult, Continuing and Distance Education, noon, 201 Kaller Hall. Laurel Thomas on "Can Rural Schools and Libraries Participate in Distance Education?"

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Siddharth Hannanahalli on "Reversal Distance Problem for Genomas is in P."

Friday, January 20

School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. James J. Zaczek on "Advances in Cloning of Mature Northern Red Oak."

Tuesday, January 24

Graduate Program in Nutrition, 4 p.m., S-209 Handson Bldg. South. Kenneth Weiss on "The Complex Genetics of the Lipid System."

Wednesday, January 25

Biotechnology Institute, 3:45 p.m., 110 Wartick Lab. Ilya Raskin on "Plant Roots and Phytoremediation II."

Thursday, January 26

Continuing and Distance Education, noon, 201 Kaller. Kathleen Pavelko on "The Art of the Interview: Questioner's Tips Oprah Never Taught You."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Cathy Flemer on "The Globin Gene Saver: A Computer Tool for Molecular Biology."

Friday, January 27

Geography, 4 p.m., 319 Walker Bldg. Anna Griswold on "Overview of Student Aid Programs at Penn State."

## CONFERENCES

Thursday, January 26

Rural Health Outreach Workshop, 25 attendees, 504 ASI Bldg.

## EXHIBITS

Palmer Museum:

"Gifts to Celebrate the New Museum," Through Jan. 22.

"Rembrandt Etchings: Selections from The Carnegie Museum of Art," through March 5.

"Looking Forward, Looking Back: The Etchings of Leonard Lebowitz," through March 5.

"Rembrandt Redux: The Paintings of Ken Aptekar," through Feb. 12.

Zollar Gallery:

■ "States of Contrast: Contemporary South African Printmaking," through Feb. 26.

■ Reflects an international perspective

## TIPS

Information Penn State

Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## PENN STATERs

Eunice N. Askov, director of the Institute for the Study of Adult Literacy and professor of education, has been selected as the first Literacy Leader Fellow of the National Institute for Literacy in Washington, D.C. Created by the National Literacy act of 1991 as a separate quasi-governmental organization by the parent agencies of the Departments of Education, Labor, and Health and Human Services, the Institute is charged with coordinating all adult literacy activities across the public and private sectors.

Kathleen Barry, professor of human development in the College of Health and Human Development, has been invited by the U.S. Embassy in Paris to do a 10-city university lecture tour in France. She is lecturing on "Susan B. Anthony and Debates in the Nineteenth Century U.S. Women's Rights Movement."

Richard L. Barton, associate professor of communications, has been awarded a personal research grant for 1995-96 by the Canadian Embassy's Canadian Studies Research Grant Program. His research project is titled "Journalism and Transborder Environmental Policy: A Canadian Study of Press Coverage of the Hydro-Quebec-New York Power Authority Contracts."

N.K. Bose, HRB-Systems Professor of electrical engineering, gave the opening plenary lecture, "Toward a Reliability Theory of Neural Networks," at the Artificial Neural Networks in Engineering Conference in St. Louis, Mo. He also gave a plenary talk titled "The Theory of Learning before and after Wiener" at the Norbert Wiener Symposium Congress at Michigan State University.

Eric D. Feigelson, professor of astronomy and astrophysics, presented a series of invited lectures in Australia at the Australia National Telescope Facility, University of Sydney, Mt. Stromlo Observatory, Australian Defense Forces Academy, Sydney Association for Astrophysics, and the Astronomical Society of New South Wales. He also presented a talk titled "X-Rays from the Youngest Stars" at Japan's international symposium, "New Horizon of X-ray Astronomy," at the Tokyo Metropolitan University.

U.S. Secretary of Health and Human Services Donna Shalala has invited Gerald McClearn, Evan Pugh Professor of health and human development, to serve on the National Advisory Council on Aging. He will serve a four-year term on the council, which is the oversight body for the National Institutes of Health.

## Three University units capture \$6.25 million DOD grant

Three University units have been awarded a \$6.25 million, five-year grant to develop intelligent diagnostic systems that accurately predict mechanical failures in aircraft and automobile engines. The project should help improve safety and reduce maintenance costs.

The College of Engineering, Applied Research Laboratory (ARL), and Materials Research Institute (MRI) have been awarded the funds from the Department of Defense, as part of its Multi-disciplinary University Research Initiative (MURI). Industry has committed an additional \$10 million in data, equipment and services to support the Penn State program.

The diagnostic systems being developed could accurately predict the onset and progression of mechanical failures, according to principal investigator David Hall, professor of electrical engineering and ARL senior research associate.

"Such predictive capability would ultimately allow systems such as commercial aircraft to inform appropriate personnel how much longer the aircraft could be safely flown, before repairs or maintenance actions are required," Dr. Hall said.

The Integrated Predictive Diagnostics Project will investigate materials, sensors, signal processing, and mathematical modeling to understand the initiation and propagation of failures in complex systems such as helicopters, aircraft engines, and control machinery. The effort complements existing Penn State research in materials science, signal processing, and mechanical systems and related research under way in ARL's National Center for Advanced Gear Manufacturing Technology.

The project provides a unique opportunity to transition the results of basic research to commercial applications to reduce maintenance costs while improving the safety of aircraft, automobiles, and other mechanical equip-

ment. Our research will focus on developing a fundamental understanding of materials, failure phenomena, new sensors, nonlinear dynamics, multi-sensor data fusion, and artificial intelligence for use in diagnostic as well as basic design activities," Dr. Hall added.

The multi-disciplinary research team includes Stephen Fonash, distinguished professor of engineering sci-

**The project will help improve the safety of aircraft, automobiles and other mechanical equipment by finding ways to predict failures in such systems.**

ence and director, Center for Electronic Materials and Processing; Joseph Cusumano, associate professor of engineering science and mechanics; Digby Macdonald, professor of materials science and engineering and director, Center for Advanced Materials, and Randy K. Young, ARL research associate. Bill Nickerson, ARL research assistant, is the liaison for private industry and system users.

Participating companies include Skorski Aircraft, Orinco, Vickers-Tedco Division, Electric Power Research Institute (EPRI), PCB Piezotronics, Inc., Allied Signal Engines and the Association of American Railroads.

Penn State was one of two universities receiving major MURI awards of the more than 35 university teams who competed for funding.

For more information, contact Dr. Hall at 814-863-4155 or Mr. Nickerson at (814) 863-9699.

### Baldridge Education Pilot Evaluation Team

Dr. Hillenmeyer will meet in the morning with OHRI to provide an overview of the seven Baldridge award criteria that apply to higher education, to discuss how to use Baldridge criteria as a tool for driving change and improvements, and to highlight the critical role OHRI plays in this process.

In the afternoon, the Office of Student Affairs staff will meet with Dr. Hillenmeyer to review the core values and concepts of the Baldridge and how they relate to the work of Student Affairs. The CQI Center has invited Dr. Hillenmeyer to meet with CQI team sponsors, leaders, facilitators and anyone interested in quality and assessment from 3:30 to 5 p.m. in the Nittany Lion Inn Ballroom A, when she will discuss the Baldridge assessment for education as a catalyst for transformation and a vehicle to build knowledge for improvement.

## PROMOTIONS

### Staff

Jennifer S. Arntz, information systems coordinator at The Hershey Medical Center.

Jaqueline M. Bildeau, buyer I in Applied Research Lab.

Mary L. Book, coordinator, Research and Administrative Services, in Research and Graduate School.

Judith M. Carley, program director in Office of Student Affairs.

Cathy A. Daugherty, staff assistant VI at The Hershey Medical Center.

Randall H. Decker, drafter/designer, Electromechanics, in Applied Research Lab.

Helen C. De Furio, administrative assistant III in College of Engineering.

Brenda L. Gerberich, finance and accounting aide at The Hershey Medical Center.

Janda D. Hankinson, senior micro-computer systems consultant in Computer and Information Systems, Center for Academic Computing.

Cheryl A. Harshbarger, staff assistant V in Penn State Altoona Campus.

Barbara H. Headley, business manager in Computer and Information Systems—Telecommunications.

Cathy M. Housman, research support assistant at The Hershey Medical Center.

Alice Jones, director, Upward Bound Program, in Office of The President.

Larry R. Kautzman, foreman, Operations and Maintenance, at Penn State Shenango Valley Campus.

Suzanne M. Keener, manager, Quality Services, at The Hershey Medical Center.

Sonny A. Khin, technician, Research, at The Hershey Medical Center.

Darlene K. Kim, staff assistant in College of Agricultural Sciences.

Joan Y. Knepp, staff assistant V in The Smeal College of Business Administration.

Rita L. Lahr, accounting aide at The Hershey Medical Center.

Colleen M. Lebo, senior technician, Research, at The Hershey Medical Center.

Lesia J. Light, staff assistant V at The Hershey Medical Center.

Brenda L. Luttrell, staff assistant VI at Penn State Harrisburg.

Nancy M. Martz, staff assistant VI in The Smeal College of Business Administration.

Jennifer L. Miller, patient service aide at The Hershey Medical Center.

Luz M. Morillo, development officer in The Division of Development and University Relations.

Nancy J. Narcum, program director in the Office of Student Affairs.

Dawn M. Nelson, staff assistant V in the Office of The President.

David J. Newman, research program director in Computer and Information Systems, Center for Academic Computing.

Velma Packer, staff assistant VII in Office of Physical Plant.

Mark F. Paige, senior operations coordinator in Computer and Infor-

mation Systems, Telecommunications.

Valerie J. Patrick, administrative assistant II in College of Health and Human Development.

Brenda L. Porterfield, program assistant II in the College of Engineering.

Darrian T. Rose, mechanical/electrical engineer III in Office of Physical Plant.

Peggy L. Ryder, staff assistant V in College of Engineering.

Steven R. Severance, library assistant I at Penn State Delaware County Campus.

Cathy E. Shaffer, staff assistant IV at Penn State York Campus.

Reuben M. Smitley, assistant director for athletics at Penn State Harrisburg.

Jean C. Sphar, staff assistant V at Penn State Delaware County Campus.

Ronald A. Strouse, senior operations coordinator in Computer and Information Systems, Telecommunications.

Stephanie A. Swartz, staff assistant V at The Hershey Medical Center.

Kathleen M. Vaughn, staff assistant V in Continuing and Distance Education.

Debra K. Wagner, financial counselor at The Hershey Medical Center.

Jill B. Wagner, accountant aide at The Hershey Medical Center.

Richard Wilkinson, buyer II in Applied Research Lab.

Georgianna J. Williams, staff assistant V in College of Health and Human Development.

Nancy S. Witherite, staff assistant VII in College of Engineering.

Dianna M. Zaring, research support technologist III in College of Health and Human Development.

### Technical Service

John M. Armstrong, maintenance worker, Utility, in Office of Physical Plant.

Kim J. Baney, maintenance worker (general) Bat Nittany Lion Inn.

Jeffrey A. Conklin, maintenance mechanic B at Penn State Erie, The Behrend College.

George Fetcenko, assistant mechanic in Research and Graduate School.

Chad A. Hagen, maintenance worker (general) B in Office of Physical Plant.

Joseph T. Hallahan, maintenance worker, Utility, in Office of Physical Plant.

Darlene K. Haylett, food service worker B, Housing and Food Services, at Penn State Harrisburg.

Ronald C. Hockenberry, maintenance worker (general) B in Office of Physical Plant.

Robert C. Owens, stock delivery clerk in Business Services.

Edward E. Rachau, maintenance worker (General) B in Office of Physical Plant.

Kenneth E. Wilson, shipping clerk at Hershey Medical Center.



### CQI visitor

The CQI Center and the Office of Human Resources have invited Susan Hillenmeyer, vice president for quality and professional development at Belmont University in Nashville, to University Park on Jan. 23. Dr. Hillenmeyer was named a Malcolm Baldridge National Quality Award Examiner in 1993, and currently is on the Malcolm



## Don't Extend Adult Diet Woes to Tots

*Parents who are tough at mealtime could be ruining children's eating habits*

A study of 77 preschoolers and their families shows that mothers who impose strict mealtime rules are the most likely women to raise young children with poor eating habits.

"This finding indicates how environment begins to impact a child's eating habits that may last a lifetime," said Susan Johnson, a fellow at the Center for Human Nutrition at the University of Colorado Health Sciences Center. "Children and adults show dramatic differences in their abilities to regulate what they eat. Our findings may also indicate beginnings of those individual differences."

Dr. Johnson led the study at the University of Illinois under the guidance of Leann Birch, now department chair and professor of human development and family studies at Penn State.

Most children are naturally able to know when and how much to eat, but this study shows that maternal pressure disables that self-regulation.

"We think the ability to regulate eating may get derailed depending on the environment," Dr. Johnson said. "Some children learn from controlling parents that their sense of hunger and fullness is irrelevant."

"This is a case where well-intentioned mothers produce effects opposite of what they hope to see. Mothers consider feeding to be a nurturing part of the parent-child relationship. But when feeding turns into struggle for control, it makes it hard for children to develop self control."

In the study, reported in a recent issue of the journal *Pediatrics*, the children, ages 2 to 4, drank no-calorie or 150-calorie fruit-flavored drinks 20 minutes before being offered a set of foods for lunch. The two-part process allowed the researchers to measure whether the children ate more or less in response to the density of calories in their drinks.

Parents of the children completed questionnaires that assessed their influence on the children's eating style and their degree of control used in feeding their children.

Preschoolers least able to regulate food intake in response to calories in pre-meal beverages have mothers who exert the most control over what and how the children eat, Dr. Johnson said. Parents who report the highest bouts of unrestrained or uncontrolled eating are the ones most likely in the study to be overweight and concerned about it, she said.

In a parallel finding, children who fail to adjust what they eat in

response to their pre-meal snack have the greatest amount of body fat of children in the study. This relationship is especially clear for girls, Dr. Birch said.

The researchers say mothers monitor eating behavior of preschool daughters more closely than that of similar-age sons. Dr. Birch suggests this monitoring may inhibit the ability of young girls to regulate what, when and how much they eat, compared to boys.

**Most children are naturally able to know when and how much to eat, but this study shows that maternal pressure disables that self-regulation.**

"Somehow the body size of a daughter is relevant to mothers as early as the child's preschool years," she said. "Mothers concerned about

what they eat or what they weigh are also attempting to restrain their young daughters' eating, but may not be imposing dietary restraints on their young sons. Apparently it's okay to be a big boy but not okay to be a big girl."

This behavior may be based on cultural pressures that have increased dieting and compulsion toward thinness, particularly among women and young adolescent females, Dr. Birch said.

Boys in the study were better than girls at taking in fewer calories after drinking a high-calorie beverage. This may be a direct result of the controlling behavior of their parents, Dr. Birch said.

Researchers think obesity passes genetically from parents to children, but are unsure how genetics are influenced by external factors such as parental behavior.

"This study directly supports the hypothesis that parents' dieting and child-feeding strategies influence children's eating patterns and that these influences lead to similarities between parents' and children's weight outcomes," Dr. Birch said. "Genetics may predispose an individual toward obe-

sity but family environment, particularly child-feeding practices and other variables, serve as catalysts for expression of that obesity. Parents are transferring more than their DNA to children. Via child-feeding practices, they're also shaping how children regulate food intake."

The researchers suggest ways that parents can reduce the likelihood of raising obese children.

"The best environment for a child's development of self-control of food intake is where parents provide healthy food choices but allow children to assume control of how much is eaten," Dr. Johnson said. "Parents should not impose on kids and learn to trust kids when they say they're hungry or full."

Drs. Birch and Johnson say their data may not translate to other populations because children in the study come from middle-class, White families in a university preschool.

"What we're seeing may be specific to middle-class, White Americans," Dr. Birch said. "It's critical to replicate this study because a look at African Americans, Hispanics or others may not show similar relationships."

— Scott Turner



Leann Birch, chair of the Department of Human Development and Family Studies, looking over some healthy eating choices.

Photo: Greg Grieco

## Faculty/Staff Alerts

### Withholding reminder

The Payroll Office reminds those employees who filed a Withholding Exemption Certificate - University Form W-4E - for 1994 that this certificate will expire Feb. 15 for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually. The W-4E should not be used by international employees to claim exemption based on a tax treaty. IRS "Form 8233" is used for that purpose.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1995. You may claim exemption from withholding if you had no income tax liability for 1994 and if you anticipate no income tax liability for 1995. Forms are available from the Payroll Office, 307 Rider Building.

In general, the elimination of the withholding applies only to those working part-time. The principal advantage is that for some it may eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

### Occupational privilege tax

In order for the University to comply with the Occupational Privilege Tax regulations imposed by the various taxing districts, the \$10 tax will be deduct-

ed from full-time and part-time employees as soon as an employee's gross earnings exceed \$1,000 in 1995.

If during the year, a person is hired who has already paid the tax, a copy of the payment receipt must be forwarded to the Payroll Office in order to avoid having the tax deducted again.

The Occupational Privilege Tax is not in force at all University locations.

### Intercom available online

Front page stories and other portions of *Intercom* are available electronically through: OAS, Emc2, CAC PSUVUM accounts or Penn State Gopher. In addition, press releases written by the Department of Public Information can also be accessed.

On the administrative system (Emc2) under "Bulletin Boards," the listings are: #PSU.News-Bureau# and #PSU.News-Intercom# at the top of the first screen.

ON PSUVUM or from any Gopher client you can find us through Gopher under the Penn State Information menu at Department of Public Information or through Netnews at psu.public-info.intercom and psu.public-info.news.

sity of California Press. It contains essays on events and encounters in far-away places where the author lived. These include searching for the Incas in the Peruvian Andes, encounters with guerrillas in Nicaragua and the Philippines, a visit to humnly uninhabitable Antarctica, the carnival in Rio, trance in Bali, the imprisoned in Indochina, and the sacred found in Guatemala.

*Foreign Bodies*, published by Routledge, confronts the most recent philosophical theories about our bodies with literature, anthropology and psychoanalysis. The four parts of the book deal with the Power and Competence of the Body, the Pleasure and the Pain, the Phallic and Non-Phallic Body, and Imperative Bodies.



Getting better all the time

The Nittany Lion Inn, on the University Park Campus, is undergoing renovations for the second time in three years. The work being done will update various areas of the 63-year-old inn, including the dining room, guest rooms and the original lobby, and should be completed by August. The Inn recently earned a place in a nationally recognized guide as a recommended gateway spot for travelers. *Best Places to Stay in the Mid-Atlantic*, written by Dana Nadel Foley and published by Houghton Mifflin Co., of Boston, is a sourcebook to help travelers uncover distinctive accommodations in New Jersey, Maryland, Pennsylvania, Virginia and West Virginia.

Photo: Greg Grieco

## BOOKSHELF

Alphonso Lings, professor of philosophy, is the author of three books published this year.

*The Community of Those Who Have Nothing in Common*, published by Indiana University Press, studies the community we have with those with whom we have no language, no culture, no homeland in common; with those with whom we are not building anything in common—a work, an enterprise, a nation.

*Abuses* was published by the Univer-

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## PENNSTATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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## University research activity takes \$24 million leap

Penn State's research activity continues to grow, rising from \$292.5 million in 1993 to \$316.6 million in 1994, the Board of Trustees learned at its meeting Jan. 20 at University Park.

"The University's research effort still shows a healthy rate of growth, even in the current austere fiscal environment," David Shirley, senior vice president for research and graduate education, said. "Our future indicators predict even stronger growth in research activity for this year, and with less certainty, for next year."

For example, annualized industry awards totaled \$53.81 million for fiscal year 1994, up from \$44.56 million in fiscal 1993. Annualized federal funds stayed stable at \$185 million in fiscal year 1994.

The upward trend benefits a wide range of the University's activities, according to Dr. Shirley.

"Such research growth improves the quality of a Penn State education, both undergraduate and graduate. A substantial amount of financial support is provided for students, thousands of undergraduates and graduate students participate in our research programs, and students gain a substantial advantage in the job market through Penn State's research and technology transfer activities."

In addition, annual growth in research helps to spur economic development within Centre County and throughout the Commonwealth of Pennsylvania, Dr. Shirley added. The Ben Franklin Center for Central and

**"Such research growth improves the quality of a Penn State education ... a substantial amount of financial support is provided for students."**

David Shirley  
senior vice president for research and graduate education

Northwestern Pennsylvania, based at Penn State, has supported research and development projects with more than 500 Pennsylvania companies over the past 10 years. Most have

involved university-company partnerships, resulting in the creation of more than 337 new technology companies and more than 4,300 jobs.

"The Ben Franklin Center is only one of the mechanisms for economic development through technology by Penn State," Dr. Shirley said. "Penn State's Research and Technology Transfer Organization, under the leadership of Associate Vice President Jack Yost, collaborates with faculty and staff to track the progress of science and technology and its effect on America's technological competitiveness and national economic security. They seek opportunities where Penn State can play a useful role."

In addition, the Research Park is

See "Research" on page 6



**Familiar faces**

Jesse Arnelle (left) and William A. Schreyer were re-elected to serve as vice president and president, respectively, of the Board of Trustees for the University.

Photo: Greg Grieco

## Incumbents return to posts on University Board of Trustees

William A. Schreyer, chairman emeritus of Merrill Lynch & Co., Inc., has been re-elected president of the Board of Trustees. H. Jesse Arnelle, senior partner at Arnelle, Hastie, McGee, Willis and Greene, a San Francisco-based civil litigation and public finance law firm, has been re-elected vice president. They will serve one-year terms that will expire in January 1996.

During Mr. Schreyer's tenure as chairman of the board at Merrill Lynch, the company became the world's largest and most profitable securities underwriter and saw total client assets grow to more than \$500 billion — higher than at any other financial institution.

He joined Merrill Lynch after his graduation from Penn State in 1948, and subsequently rose through a succession of sales, trading, investment banking and management positions to become president in 1982, chief executive officer in 1984 and chairman of the board from April 1985 through June 1993.

At Penn State, Mr. Schreyer has been honored as a Distinguished Alumnus (1979) and an Alumni Fellow (1983). A trustee since 1986, he served as national chairman of The Campaign for Penn State (1984-90), which raised \$352 million for academic programs, and chairman of the National Development Council, the University's top voluntary fund-raising organization. He also is a member of the Board of Visitors for the Mary Jean and Frank P. Small College of Business Administration.

Mr. Schreyer initiated Merrill Lynch's unique ScholarshipBuilder program, a trust

that will cover higher education costs for 250 economically disadvantaged grade-school children in 10 U.S. cities. He and his wife, Joan, established the William A. Schreyer Chair in Global Management Policies and Planning in the Smell College. They also created the William A. Schreyer Libraries Endowment in Global Management Policies and Planning, and established a \$1 million Faculty/Staff Challenge Grant for The Campaign for the Libraries.

Mr. Arnelle has served on the Board of Trustees since 1969. He is the senior trustee of the 32-member board. A 1955 graduate of Penn State, he was president of the student body, a member of Lion's Paw and an All-American in football and basketball. He is a 1962 graduate of Dickinson Law School and has been admitted to practice before the U.S. Supreme Court, the Pennsylvania Supreme Court and the California Supreme Court.

Mr. Arnelle serves on the boards of directors of Wells Fargo and Company, parent company of Wells Fargo Bank; WMX Technologies, Inc.; Eastman Chemical Co., Inc.; FPL Group, Inc., and Textron, Inc. He also serves as a director of the San Francisco Opera Board and the World Centre. He has been elected to the National Football Foundation College Hall of Fame, and in 1995 he received the Dr. Martin Luther King Jr. Medal for Outstanding Professional Service.

He was a commissioner of the San Francisco Redevelopment Agency and served as

See "Election" on page 6

## DIVERSITY

# TRIO students to embark on summer study tour in Spain

Penn State will provide  
low-income students with  
unique educational and  
cultural opportunity

While study abroad programs are well-established at most colleges and universities, minority student participation in such programs remains consistently low, especially for those from low-income families.

Convinced that gaining a global perspective is critical for tomorrow's leaders, the National Council of Educational Opportunity Association (NCEO) and Penn State are co-sponsoring the 1995 International Student Leadership Conference in Spain this

summer for 30 students across the country enrolled in the federally-funded TRIO programs for low-income students. The TRIO programs — Educational Opportunity Centers, the Ronald E. McNair Achievement Program, Talent Search and Upward Bound — are designed to encourage minorities to pursue higher education.

"Penn State was chosen to conduct this program because of our commitment to providing educational opportunities for underrepresented groups and the reputation of its international programs," Howard E. Wray, assistant dean for Undergraduate Education, said. "This program will complement Penn State's existing overseas summer programs and enhance its efforts to serve a diverse student population, especially those financially disadvantaged students for whom a trip like this would be out of reach."

The students will be selected from a national pool of 167,000 TRIO undergraduates on the basis of high academic achievement, community service and the potential to benefit from the experience. About half of the participants are slated to be African American, 20 percent Latino/Hispanic and the rest, Asian and Pacific Islander, Native American/Alaskan Native or White.

"We are pleased that NCEO is tapping into our expertise with education abroad programs," W. LaMar Kopp, deputy vice president for international programs, said. "Penn State has study abroad programs for undergraduates in 27 countries and Puerto Rico, serving about 600 students a year. International programs are an important component of a well-rounded academic program in all disciplines, especially in light of today's global economy."

Commenting on the goals of the program, Dean Wray said, "The Leadership Conference will give students an opportunity to learn within the context of another culture. It will enrich their general academic studies and expand their knowledge of other countries. Students also will gain a more objective perspective on the values and culture of their own country."

Among the other goals of the conference are to promote multiculturalism and diversity; enable participants to expand their cultural horizons, and to impress upon each participant the roles of the individual and of alliances in shaping international priorities. The program also will help establish an

**Thirty students will be selected from a national pool of 167,000 TRIO undergraduates on the basis of high academic achievement, community service and potential benefit from the experience.**

international network of student leaders from among the TRIO programs and develop service-oriented leaders, empowered and skilled to serve their communities and their world.

Serious study, group discussions and individual research are at the center of the itinerary. The course on Spanish literature and culture will be taught by Javier Escudero, Penn State assistant professor of Spanish literature, and the second course on international economics in Spain and North Africa, will be taught by James Stewart, professor of labor and industrial management and vice provost for educational equity.

"Penn State and NCEO have worked in tandem to provide the students with a true educational and cultural opportunity," Dean Wray, added. "The International Leadership Conference will help prepare some of our most promising leaders of tomorrow for the global challenges to come."

## Lesbian and Gay Lives lecture series opens

This spring's speaker series on Contemporary Scholarship on Lesbian and Gay Lives opens Monday, Jan. 30, with "Complicated Flesh: Video Works, 1990-Present," by film, video and performance artist Cheryl Dunye.

"Video Works" is sponsored by the Equal Opportunity Planning Committee and the Department of Human Development and Family Studies and co-sponsored by the Center for Women Students and other University units. It will be held at 4 p.m. in 110 Wartik Lab on the University Park Campus.

Other events scheduled for the lecture series are:

— Thursday, Feb. 23: "Learning Gay English," presented by William L. Leap, professor of anthropology at the American University, Washington, D.C., 4 p.m. in the HUB Assembly Room.

— Monday, April 3: "Current Works: A Slide Presentation," presented by Deborah Kass, visual artist, 4 p.m. in the HUB Assembly Room.

— Thursday, April 6: "Heterosexuality, Power and the Mother Model of the Care Ethic," presented by Sarah Lucia Hoagland, professor of philosophy and women's studies, Northeastern Illinois University and author of *Lesbian Ethics: Toward New Values*, 4 p.m. in the HUB Gallery Lounge.



**Inspirational**

Patricia Russell-McCloud, lawyer and president of a motivational speaking and training professional association in Atlanta, was the keynote speaker for the Martin Luther King Commemoration on the University Park Campus. About 800 interested people attended the event.

Photo: Greg Grieco



# CQI CONTINUOUS QUALITY IMPROVEMENT

## Penn State Quality Expo

Mark your calendars to share, learn and celebrate at the Penn State Quality Expo 1995 on April 6 from 11:30 AM - 3:30 PM in the Nittany Lion Inn. The event will include:

- exhibits displaying the work of teams and/or individual improvement initiatives
- a featured noon-time speaker on quality issues in higher education
- on-going presentations of real-life uses of CQI, including teambuilding exercises and CQI applications in the classroom
- a media room with experts demonstrating CQI software
- opportunities to review and purchase books on quality
- visits to the Team Decision Center at Scanticon
- door-prizes and hourly drawings
- a reception to recognize and award participants.

A Expo Planning Team is already working to make this an exciting and fun event. Registration forms have been sent to CQI team sponsors, leaders and facilitators and others involved in quality improvement initiatives. Read this column for regular updates on the Quality Expo, or see the e-mail bulletin board, [QCOIFAIR](mailto:QCOIFAIR). Questions? Call Louise Sandmeyer or Carol Everett at 863-8271.

## Leading in a Quality Culture

The Penn State community is invited to participate in an interactive brown bag lunch session with three Penn State leaders who champion CQI. Through their involvement in the University Council on CQI, as well as in the activities they support within their units, these leaders have integrated Quality Improvement initiatives into their daily work lives and will individually share their experiences over the lunch hour on three Thursdays in February. The presentation/discussion format will provide an opportunity for questions and dialogue with the speaker and other attendees. Meet with Executive Vice President and Provost John Banahan on Feb. 9, Vice President for Student Affairs William Asbury on Feb. 16, and Dean of the University Libraries Nancy Cline on Feb. 23. Participants may register to attend any or all of the three sessions by calling the Human Resources Department, Center, 865-8216, and specifying course CQI 026. For listings of several other new CQI courses, please refer to your HRDC Spring 1995 Course Schedule.

## Partings

# Rural sociology professor retires after 23 years

Charles O. Crawford, professor of rural sociology and director of the Pennsylvania Office of Rural Health in the College of Agricultural Sciences, has retired after 23 years service.

As director of the Pennsylvania Office of Rural Health since its establishment in 1991, Dr. Crawford worked to improve rural residents' access to quality health care.

His research also focused on rural health. He studied the factors influencing the adoption of preventive health behaviors to learn how best to convince rural people to choose healthy lifestyles. He also researched issues surrounding independent living for older persons, and community services in rural areas.

Dr. Crawford edited a book, *Health and the Family: A Medical-Sociological Analysis*, and authored numerous academic articles, conference papers and other publications. He received his bachelor's and master's degrees from Penn State, and earned his doctorate in 1963 from Cornell University. Prior to joining the University faculty in 1971, he was director of the Division of Behavioral Science in the Pennsylvania Department of Health.

He served as president of the Pennsylvania Public Health Association from 1986-1988, as a member of the Governing Council of the American Public Health Association from 1980-1982, and as a member of the Board of Directors of the American Rural Health Association from 1982-1986. He also is a member of the American Sociological Association and the Rural Sociological Society.

Dr. Crawford received the Pennsylvania Public Health Association Presidential Award in 1985 and is a member of Gamma Sigma Delta, the national honorary fraternity for agriculture.



Charles O. Crawford

# Number of employees end longstanding service to University

Rebecca E. Barr, group leader, platemaker, Business Services, from March 15, 1976, to Dec. 31, 1994.

Hilda C. McNear, nutrition adviser, College of Agricultural Sciences, from July 1, 1977, to Jan. 4.

JoAnn M. Spangler, program assistant, The Hershey Medical Center, from Aug. 9, 1982, to Dec. 31, 1994.

Phyllis G. Belk, director of Marketing and University Relations, Penn State Wilkes-Barre Campus, from April 24, 1984, to Jan. 1.

Hattie C. Reese, staff assistant VI, Office of Corporate Controller, from Dec. 12, 1979, to Dec. 31, 1994.

Dorothy J. Stauffer, staff assistant VI, Office of the President, from June 2, 1980, to Dec. 31, 1994.

Clarine L. Edwards, staff assistant VI, Penn State Wilkes-Barre Campus, from Oct. 4, 1976, to Dec. 31, 1994.

John F. Seaton, research assistant, The Hershey Medical Center, from June 1, 1975, to Jan. 1.

Patricia A. Waite, staff assistant VI, Office of the President, from Sept. 22, 1975, to Dec. 31, 1994.

# COMMISSION for Women

A column informing the University community about the activities of the Commission for Women

## Research Grant Program

The Commission for Women is awarding two \$1,000 grants to support research and other creative work by tenure-track women faculty. Women faculty with provincial tenure status at all campuses are invited to submit proposals.

### ■ Proposal format

The proposal should consist of a maximum of six pages. It will include a cover page with proposal title, investigator's name, social security number, address, telephone number, and signature of department/unit head. The balance of the proposal will include an abstract (100 words maximum), a brief budget, a one-page vita, and a description of the proposed research project. Proposal content should include a clear and concise problem statement, potential value or significance of the proposed research, and a description of the research plan.

### ■ Submission

Five stapled copies of each proposal should be sent to Kathleen D. Matason, chair, Commission for Women Outreach Committee, 503 Walker Building, University Park, PA 16802. The deadline is Feb. 15.

### ■ Review and Award Announcements

A Review Committee will be appointed by the Outreach Committee of the Commission for Women. Recipients of the two \$1,000 awards will be announced at the Commission

for Women Banquet on March 20. Recipients will be notified by March 6.

Additional information is available from Ms. Matason, 863-8566 voice, 865-3663 fax, or [kdm1@oas.psu.edu](mailto:kdm1@oas.psu.edu).

The Commission for Women is an advisory group to the President of the University with the mission to address the breadth of issues affecting the women of Penn State. It's purpose is to promote the efforts of University women in the various roles and activities, and to serve as a forum for the exchange of ideas within the University.

Commission members are appointed by the President for a three-year term and represent every employment category in the University: Faculty, Staff Exempt, Staff Nonexempt, Technical Service workers, and Administrators. Two graduate and two undergraduate students also are appointed to the Commission.

## New members

The Commission would like to acknowledge and welcome its new members who will serve until 1997: Mary Ann Chavey, administrative assistant, Department of Orthopedics, The Milton S. Hershey Medical Center; Cathy Corl, table attendant, dining room, Nittany Lion Inn; Susan C. Craig, graduate student in administration of justice; Tineke J. Gunning, counselor, Career Development and Placement Services; Caroline N. Egeblu, administrative/engineering aide, Utilities, Office of Physical Plant; Kristen Lee Gommer, undergraduate student in psychology; and Elizabeth Hawthorne, director of Academic Affairs, Penn State Berks Campus.

Dr. Mary K. Howett, Department of Microbiology & Immunology, The Milton S. Hershey Medical Center; Jenny E. King, administrative assistant, Office of International Programs; Deborah M. Meder, assistant controller/financial officers; Brenda Shade, dining hall worker, McElwain Dining Commons; Beth Van Horn, county extension director, Centre County Cooperative Extension; Susan Welch, dean, College of the Liberal Arts; and Dolores M. Wiant, library assistant, Penn State Great Valley.

## From the Trustees Docket

### Nine alumni to receive award

The Board of Trustees has selected nine Penn State alumni to receive the Distinguished Alumni Award, the University's highest award for an individual.

Following are the 1995 Distinguished Alumni, year or years of graduation, and current title.

—The honorable Judge Cynthia A. Baldwin of McKeesport, a 1966 bachelor's degree graduate in English and a 1974 master's degree graduate in American literature, both from the College of the Liberal Arts. She is judge of the Allegheny County Court of Common Pleas.

—Judith M. Davenport of Pittsburgh, a 1961 bachelor's degree graduate in medical technology from the College of Agricultural Sciences. She is a doctor of dental medicine and co-owner of Sheridan Broadcasting Corporation.

—Samuel G. Fredman of Rye Brook, N.Y., a 1942 bachelor's degree graduate in arts and letters from the College of the Liberal Arts. He is justice of the Supreme Court of the State of New York.

—Steve A. Garban of State College, a 1959 bachelor's degree graduate in accounting from the College of Business Administration. He is Penn State senior vice president for finance and operations emeritus/treasurer emeritus.

—Michael H. Herschback of Boiling Springs, a 1967 bachelor's degree graduate in political science and a 1969 master's degree graduate in public administration, both from the College of the Liberal Arts. He is president and chief executive officer of the Pennsylvania Higher Education Assistance Agency.

—Charles L. Hosler of State College. He received his bachelor's degree, master's degree and doctorate in meteorology from the College of Earth and Mineral Sciences in 1947, 1948 and 1951, respectively. He is professor emeritus and senior vice president for research and dean of The Graduate School emeritus at Penn State.

—William James Perry of Alexandria, Va., a 1987 doctoral degree graduate in mathematics from the College of Science. He is secretary of defense for the United States government.

—William H. Sippel Jr. of Allison Park, a 1949 bachelor's degree graduate in architecture from the College of Arts and Architecture. He is principal of Deeter Richey Sippel Architects.

—Quentin E. Wood of Ponte Vedra Beach, Fla., a 1948 bachelor's degree graduate in petroleum and natural gas engineering from the College of Earth and Mineral Sciences. He is chairman and chief executive officer (retired) of Quaker State Corporation.

## CES looking better

### Eighteen-campus system reporting higher enrollment numbers than originally projected

The Commonwealth Educational System of 18 campuses across the state is in a stronger position than earlier projected with an enrollment growth of 200 new freshmen this fall, the Board of Trustees has learned.

"Enrollments are critical because they are directly related to budgets, and even small fluctuations in enrollment can produce sizable shifts in budgets," Robert E. Dunham, senior vice president for the Commonwealth Educational System, said. "This fall, overall CES enrollments were down, but not as low as we had projected and budgeted. The 200 new freshmen this fall not only helped enrollment this year, but should also positively affect next year's enrollment."

A \$12 million projected shortfall has been reduced to \$10 million, and with increasing enrollments, that figure may go down further. CES took a \$6 million cut this year, but next year's cut will only be \$2 million with another \$2 million the third year if necessary.

"If the enrollment picture continues to improve, three-year cuts may not be necessary," Dr. Dunham said. "Such good news would allow the campuses to retain more faculty and staff than originally proposed, resulting in possibly 26 fewer layoffs than originally planned."

The board also received an update on campus regional collaboration, undertaken to be more efficient and

to improve the quality of campus operations.

"In the Philadelphia area we have created a regional office for development and public relations," Dr. Dunham noted. "The campus

### A \$12 million projected CES budget shortfall has been reduced to \$10 million, and with increasing enrollments, that figure could go down further.

personnel from the three area campuses — Ogonitz, Great Valley and Delaware County — were combined under a regional director and have been very successful in fundraising and in the quality of public information coverage in the area. This arrangement could be a model for other parts of the state."

In the west, Penn State is establishing a new region. Continuing Education organization in the greater Pittsburgh area, which the McKeesport and Beaver campuses have now joined, that will serve a three-campus area that includes the

Shenango Campus. In several other instances where campuses share resources and staff, the arrangement has operational quality and has resulted in a financial savings, as in the case with the Hazleton and Wilkes-Barre campuses and the Berks and Allentown campuses. "What we are learning, is that 'necessity is the mother of regional collaboration,'" he said.

Dr. Dunham also described a new program, Project Vision, to encourage more active and collaborative learning throughout CES that features anytime, anywhere learning.

Launched last week by faculty who have begun to develop the curriculum and learning strategies, the program will enroll 200 student volunteers each from the Berks, Delaware County and Mont Alto campuses. They will work in teams on and off campus and across campuses on projects and problems that encourage community involvement and accessing national and international information.

"Project Vision has generated a great deal of interest from external agencies, two of whom — Bell Atlantic and IBM — have committed funds to it and two others have been advisers to it," Dr. Dunham said. "Even under budget constraints we are doing some exciting things. CES is alive and well."

### Schultz named senior v.p. for finance and business/treasurer

Gary Schultz, vice president for finance and treasurer, has been named senior vice president for finance and business/treasurer by the Board of Trustees, reflecting his additional responsibility when he took over direction for the business and operations areas of the University earlier this month.

"Gary brings a valued combination of energy, intelligence, integrity and commitment for his work at Penn State," President Thomas said. "His appointment is a most welcome addition to the senior administrative staff."

The two positions — vice president for business and operations and vice president for finance — were combined this month after the vice president for business and operations retired at the end of October. Those vice president positions will not be filled. "Eliminating these two administrative positions gives me the opportunity to bring additional efficiency and effectiveness to the university

administration. It also flattens the organizational structure on the finance and business side of the University in a positive way," Dr. Thomas noted.

Mr. Schultz is now responsible for Human Resources, Physical Plant, Housing and Food Services, the Nittany Lion Inn, Safety and Environmental Services, and Purchasing in addition to University finances. He was appointed vice president for finance in July, 1993, assuming responsibility for the day-to-day operations of the financial, budgeting and accounting functions of the University.

He joined the University in 1971 as a system analyst and was promoted to a variety of positions with increasing responsibility such as director of management and systems engineering, assistant to the vice president for business, and assistant vice president for operations and services. He was named associate vice president for finance in 1992.

He received a B.S. in industrial engineering with high distinction in 1971 and an M.S. in industrial engineering in 1975, both from Penn State.

Mr. Schultz is president of the Board of Directors of the Nittany Insurance Company and vice president of Penn State's Research Park Management Company and Research Park Hotel Corporation as well as a member of the Board of Directors of the Central PA Market Advisory Board. He also is a member of the board of the Pennsylvania College of Technology and a member of the National Association of College and University Business Officers and the Association of University Related Research Parks.

In the community, he serves as treasurer of the State College Area Chamber of Commerce and is a member of the Centre Region Council of Governments.



## From the Trustees Docket

## Network educating lawmakers about needs of University

Through Penn State's Legislator Advocacy Network, 103 teams of Commonwealth Campus board members, alumni, faculty, staff, students, and friends of Penn State met face-to-face last year with 111 state legislators — often at the Penn State campuses in the legislators' own back yards.

Helen E. Caffrey, director of commonwealth relations, told the Board of Trustees that the network is a targeted, grassroots effort to heighten legislators' awareness of the accomplishments and needs of higher education.

"The program is based on the effectiveness of personal, local communication and conversation with state legislators," she said. "It's a wonderful way to educate legislators on who we are and what we do, not only in their own back yards, but also University-wide across the state. I think it's been extremely interesting and

engaging for legislators."

Currently, the teams are based at 14 Penn State locations throughout the state. The 103 teams include 99 students, 114 staff members, 126 faculty, 105 alumni, and 106 campus advisory board members.

Campuses that hosted legislators in 1994 were Berks, DuBois, Great Valley, Hazleton, Mont Alto, Ogontz, Schuylkill, Wilkes-Barre, Worthington Scranton, and York. Campuses planning to host legislators this year are Altoona, Behrend, Delaware, Fayette, McKeesport, New Kensington, and Shenango.

In the fall of 1994, Ms. Caffrey said, 10 campuses sponsored forums on education issues that more than 60 legislators took part in, made presentations that demonstrated the need for an annual appropriation for telecommunications operation, and thanked

legislators for their support of \$15.8 million in telecommunications funds for Penn State.

### One of the goals of the Legislator Advocacy Network is to increase state support for all Penn State programs.

The \$15.8 million will allow Penn State to connect every classroom, laboratory, and office at the University Park campus to the information highway.

Ms. Caffrey said that the teams' goals are to:

- emphasize Penn State's mission of teaching, research and public service;

- increase state support for all Penn State programs, including a request for an appropriation of \$4.5 million to support telecommunications operations; and

- encourage legislators to support initiatives and laws that help Penn State carry out its three-part mission.

To reach those goals, she said, the teams hold periodic on-campus legislative programs and meet annually with individual legislators. In those programs and meetings, they highlight Penn State campus partnerships with area businesses, elementary and secondary educational institutions, and local government agencies, and use multimedia, telecommunications and computers to demonstrate specific examples of state-of-the-art teaching and learning techniques.

## Board gets update on construction projects at various locations

The Board of Trustees has approved final plans for the General Purpose Classroom Building at University Park and reviewed or took action on several other construction projects at various campuses.

The Board's approval of the General Purpose Classroom Building also authorized the University to obtain bids and award contracts for the \$5 million structure, designed by IKM Inc. of Pittsburgh. It is a project of Operation Jump Start, a capital construction program initiated by Governor Casey in 1991 which is expected to generate nearly 16,000 construction jobs in the state. Penn State will provide \$2 million of the total cost.

The 25,300-square-foot facility will serve as a 612-seat lecture hall addition to the existing Classroom Building at the corner of Pollock and Shortridge Roads. It will adjoin the lecture hall wing of the Classroom Building, allowing for the future construction of another classroom facility between that structure and Eisenhower Auditorium.

Other projects brought before the Board include:

#### ■ Engineering Services Building — University Park

The College of Engineering has received a Manufacturing Engineering Partnership grant from the Advanced Research Projects Agency. To provide sufficient space for the grant requirements, a 2,750-square-foot addition to the existing Engineering Services Building is planned.

#### ■ Foods Building — Hazleton Campus

The Board approved the proposed construction of two additions to the Foods Building at the Hazleton Campus in an ongoing effort to update and improve food service facilities at the campuses. One addition will create a new 2,700-square-foot dining room while the other 2,480-square-foot addition will provide a new entrance and add a lobby, a private dining room, and administrative space.

The existing dining hall will be renovated to enlarge the service area, provide uniformed eating areas, and improve other areas. Plans for the work are designed by the University's Office of Physical Plant.



An artist's rendering of the Classroom Building on the University Park Campus after the addition of the 612-seat lecture hall.

#### ■ Animal Diagnostic Laboratory — University Park

The Board approved final plans for an addition to the Animal Diagnostic Laboratory at University Park and authorized the University to obtain bids and award contracts for construction of the project. The two-level, 4,000-square-foot addition was designed by the Office of Physical Plant at a total budget of \$2.1 million.

#### ■ Holtzinger Engineering Building — Altoona Campus

The Board approved final plans for an addition to the Holtzinger Engineering Building at the Altoona Campus and authorized the University to obtain bids and award contracts for construction of the project. The 15,000-square foot, two-story addition will house labs, faculty offices, and other facilities for the new Electromechanical Engineering Technology program, and two general classrooms.

The addition is designed by Hayes Large Architects of Altoona. It is an Operation Jump Start project with a total budget of \$2,125,000 with Penn State providing \$1.5 million.

ject with a total budget of \$2,125,000 with Penn State providing \$1.5 million.

#### ■ Honors Interest House — The Behrend College

The Board approved the appointment of Robert H. Hoffman of Robert H. Hoffman Architects and Associates, Boalsburg, as architect for the Honors Interest House at Penn State Erie, The Behrend College. The proposed building will house 64 members of the University Scholars Program in double rooms. It also will include study lounges, a computer room, and a two-bedroom apartment for scholars-in-residence.

#### ■ Bookstore Building — Mont Alto Campus

The Board approved the appointment of Noelker and Hull Associates Inc., of Chambersburg, as architect for a 4,000-square-foot Bookstore Building at the Mont Alto Campus. The existing Double Cottage would be removed to allow for construction of the new structure.

## From the Trustees Docket

### Trustees review degree program changes

The Trustees reviewed the establishment of a new minor and new programs in the College of Engineering, and a graduate program name change in the College of Medicine at The Milton S. Eshelby Medical Center. The Board also approved the reconfiguration of the Program in Biobehavioral Health in the College of Health and Human Development to a department.

The new minor is in Peace and Conflict Studies in the Science, Technology and Society Program in the College of Engineering, which is designed to help students take an organized set of courses in the study of the source of international conflict, peace movements and peace building.

A proposal to change the name of the Graduate Program in Biological Chemistry in the College of Medicine, to the Graduate Program in Biochemistry and Molecular Biology also was reviewed. The change is being made because many department faculty use molecular biology in their research and in the classroom to teach students to approach scientific problems using these techniques.

The board also learned that a proposal to change the graduate programs in computer science and computer engineering to the master of science, master of engineering and doctor of philosophy degree programs in the Department of Computer Science and Engineering in the College of Engineering was approved by the Graduate Council in November.

Demand for a program in computer science and engineering is high. The program, which will streamline the offerings of the department, will give students a graduate core in the discipline and provide the flexibility for students to specialize in an area of research interest.

The reconfiguration of the Program in Biobehavioral Health to a Department of Biobehavioral Health, which has been a key part of the college's strategic plan, was reviewed by the Board in September. The major focuses on an interdisciplinary approach to all biological, behavioral, sociocultural and environmental factors underlying health and illness.

### Election

continued from page 1

an official attache to the 1984 Summer Olympic Games. In 1988, he received the Humanitarian Award from the Bay Area UNICEF.

A San Francisco resident, Mr. Arnette is past president and co-founder of the Penn State Renaissance Fund and a life member of the Penn State Alumni Association. He is also a member of

Penn. State's National Development Council.

Other board officers include President Thomas, who serves as ex officio secretary of the board. Officers elected to one-year terms on the board are: Gary C. Schultz, treasurer; Raymond D. Nargi, associate treasurer; Paula R. Ammerman, associate secretary, and Carolyn A. Dolbin, Joan L. Coble and Linda L. Cartright, assistant secretaries.

### Research

continued from page 1

another channel through which the University has created a range of opportunities for the future. With the completion of Phase 1, the next step includes development of the region, A2, east of the initial complex on Innovation Boulevard.

"Penn State's Research Park is a very competitive building site for companies interested in build-to-suit structures," Dr. Shirley said. "It has been one of two finalists in several such projects, and we are optimistic about our prospects for success in future competitions."

Bringing companies to the Research Park enhances Penn State's research, teaching and service mission, such as the surface coating initiative, also known as electron beam-physical vapor deposition program (EB-PVD), with the Ukraine, he added. Through this program, the University will purchase technologies from

the former Soviet Union; establish alliances among industry, government and academia to enhance the technology; develop the capability to manufacture equipment in the United States, and transfer the technology to industry. The project already has attracted \$12.5 million from the Navy Mantech program.

Another illustration of Penn State's prowess in technology transfer is its 13 projects funded by the federal New Technology Reinvestment Program.

"The University leads American universities in being involved in these projects, including precision laser machining, national industrial extension agent curriculum, and a manufacturing engineering education partnership," Dr. Shirley said.

## Appointments

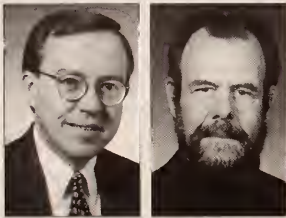
### College of the Liberal Arts names two Sparks Professors

Two internationally recognized scholars have been appointed to endowed professorships in the College of the Liberal Arts. Anibal González-Pérez has been named the Edwin Erle Sparks Professor of Spanish and Charles E. Scott has been named the Edwin Erle Sparks Professor of philosophy.

In announcing the appointments, Dean Susan Welch said, "Liberal Arts and these departments are indeed pleased to have been able to attract Dr. González-Pérez and Dr. Scott to Penn State. Each has a wide range of scholarly interests and an impressive record as a teacher and researcher. Professor Scott will provide outstanding senior leadership to develop even further our philosophy department's internationally renowned strengths in continental philosophy. Professor González-Pérez will provide the same sort of leadership and visibility in the area of Spanish American letters."

Dr. González-Pérez joined the Department of Spanish, Italian, and Portuguese in the fall semester of 1994. A native of Puerto Rico, he received his A.B. degree magna cum laude from the University of Puerto Rico at Río Piedras in 1977 and his Ph.D. from Yale University in 1982. He was then assistant and later associate professor at the University of Texas and was a professor at Michigan State University before coming to Penn State.

His research is concerned with Spanish American literature from the colonial period to the present, with a particular interest in narrative, essay, and Hispanic Caribbean writing. He has recently published *Jour-*



Anibal González-Pérez Charles E. Scott

*nalism and the Development of Spanish American Narrative* (Cambridge University Press, 1993) and is currently working on a history of Spanish American literary criticism. His other books include *La Crónica modernista hispanoamericana* (José Porrua Turanzas, 1983) and *La novela modernista hispanoamericana* (Gredos, 1987). He is the author of more than thirty articles in scholarly journals on a wide range of literary topics. He is on the editorial board of five scholarly journals and a university press series.

Dr. Scott joined the Department of Philosophy in the spring semester of 1994. He was previously professor of philosophy at Vanderbilt University where

he served as director of the Robert Penn Warren Center for the Humanities (1987-93), chair of the philosophy department (1978-93), director of graduate studies in philosophy (1974-80), and director of undergraduate studies (1967-72).

His scholarship and teaching focus on nineteenth and twentieth century European philosophy, including the writing of Friedrich Nietzsche, Martin Heidegger, and Michel Foucault. He is the author, editor, or coeditor of ten books including the forthcoming *On the Advantages and Disadvantages of Ethics and Politics* (Indiana University Press). His earlier books include *The Question of Ethics: Nietzsche, Foucault, Heidegger* (Indiana University Press, 1990) and *The Language of Difference* (Humanities Press International, 1987).

Following his bachelor's degree magna cum laude with honors in English and philosophy from Southern Methodist University, Dr. Scott received a Fulbright Fellowship for a year's study at Eberhard-Karls-Universität in Tübingen, Germany. He then continued his graduate study at Yale University where he received a B.D. degree in 1961; M.A. in philosophy, 1962; and Ph.D. in philosophy, 1965. He held an instructorship at Yale before moving to Vanderbilt in 1966.

The College of the Liberal Arts has established Edwin Erle Sparks Professorships in each humanities department with major funding from the National Endowment for the Humanities and by contributions to the college.



## News in Brief

### Blood drive

The American Red Cross, Centre Communities Chapter, will conduct blood drives at University Park in February on the following days:

Date	Place	Time
Wed, Feb. 1	HUB Ballroom	10 a.m.-4 p.m.
Thurs., Feb. 2	HUB Ballroom	10 a.m.-4 p.m.
Wed, Feb. 8	Atherton	1-7 p.m.
Thurs., Feb. 9	Friday	1-7 p.m.

The entire blood donation process takes a little more than an hour, including a brief physical and something to eat. For more information on blood donation, call 1-800-GIVE LIFE.

### Publications available

The Office of University Relations has reprinted two of its most widely used publications: *Penn State: A Profile*, a 36-page digest of facts and figures about the University, its mission and academic achievements, and *The Historic Penn State*, a map of University Park Campus that shows the location of campus' historical markers, and gives information about historic buildings and sites. Copies may be ordered individually or in bulk from 301 Old Main, 863-4512.

### Summer Sessions bulletins

Summer Sessions Bulletins will be distributed to University Park faculty and administrators and to University offices the week of Feb. 6. Additional copies may be picked up at Spruce Cottage and at the Penn State Bookstore on campus, or may be requested by phone (863-4174) or campus mail from the Office of Summer Sessions.

Offices or individuals receiving more copies than they can use are requested to return surplus bulletins to Spruce Cottage.

### Award nominations sought

The Center for Adult Learner Services at the University Park Campus is now accepting nominations for its 1995 Outstanding Adult Student Award.

Faculty, staff, and currently enrolled adult learners may nominate an adult student who has overcome obstacles and multiple roles to further his or her education; served as a role model for other adult students; maintained high academic achievements; sensitized the University to adult students' needs, and clearly defined short- and long-term educational goals.

To qualify for the award, a student must have begun or resumed studies, after the age of 24 or after having been out of high school for four years. Further, they must have been enrolled at University Park as a full- or part-time undergraduate or graduate student within four months of nomination. Undergraduate students must have completed 45 credits, taking at least 30 of them at Penn State, and graduate students must have

earned a minimum of 15 graduate credits. Undergraduate nominees will receive preference in consideration.

Nomination packets may be obtained by calling (814) 863-3887 or by stopping by the center at 323 Bouckee Building. Completed packets must be returned to the center by Friday, Feb. 3.

### Tenth Annual Housing Fair

Off Campus-Living at Penn State is sponsoring its Tenth Annual Housing Fair from 10 a.m. to 4:30 p.m. Friday and Saturday, Jan. 27 and 28, in the HUB Ballroom and Fishbowl at University Park.

"The fair is the largest and the only gathering of rental agencies in the Centre Region, attracting more than 40 property owners and managers representing 13,500 rental units," Forest E. Wortham, assistant director of Student Life, said. "If you are new in town and looking for a place to live or just want to change your address, Housing Fair 1995 is the place to be."

Other sponsors of the Housing Fair are the Organization for Town Independent Students (OTIS), the Association of Residence Hall Students, and the Commonwealth Campus Student Government. Co-sponsors are Alpha Phi Omega and the Centre Daily Times. Although targeted to students, the fair is open to anyone looking for rental housing in the Centre Region.

Apartments owners and property managers will be on hand to answer questions, and bus tours of off-campus rental properties and walking tours of the residence halls will be offered. Representatives from Academic Advising, Financial Aid, and Academic Computing at Penn State also will have information and be ready to answer questions as will those from utility companies, CATA, furniture retailers, and bookstores off and on campus.

### Enlightening Lunch: Living Wills

When someone is unable to care for him- or herself, it is often the family members who assume the responsibility for that person's care. Sometimes, this responsibility is fraught with difficult decisions and emotions. Today, many people are cultivating peace of mind by making a living will. Come to this brown-bag discussion and learn about the issues surrounding the making of living wills, including how to obtain and develop one. The idea of organ donation also will be discussed. Meets from noon until 1 p.m. Thursdays, Feb. 2, in the Living Center, 110 Henderson Building at University Park. Cost is free. Register by calling 863-3085 or sending E-mail to Jan Hawbaker at JQH3@PSU.EDU

## LECTURES

### New Saturday lecture series kicks off at University Park

Recent scientific discoveries will be the focus of a new lecture series titled "Penn State Lectures on Frontiers of Science," to be held on eight Saturday mornings at 11 a.m., beginning Feb. 4, in 101 Osmond Laboratory on the University Park Campus.

Designed for central Pennsylvania residents, the new lectures are patterned after a similar series at the University of Chicago. The series is sponsored by the Eberly College of Science and the Center for Gravitational Physics and Geometry.

A popular feature of the series is the annual selection of a speaker — a young scientist having both excellent teaching skills and a promising research career — to present the lectures on a subject of current scientific excitement. The speaker for the inaugural year of the series will be Robin Tuluie, a postdoctoral fellow in astronomy and astrophysics and a researcher in the Center for Gravitational Physics and Geometry. His lectures will concern "The Origin and Fate of the Universe." Dr. Tuluie said the lectures will be "understandable by any interested persons, with no background in science or mathematics required."

"Dr. Tuluie will explain the basic ideas and major discoveries behind our modern understanding of the large-scale structure of the universe," Lee Smolin, professor of physics and a researcher in the Center for Gravitational Physics and Geometry, said. "Highlights will include the Big Bang theory of cosmology and the recent observations of the primordial glow from the time when the atoms were first formed." Dr. Tuluie said he also will reveal the new discoveries that have shaped our understanding of the structure and history of the universe in the last few years.

Dr. Tuluie received his undergraduate degree from the University of California at Berkeley and his Ph.D. from the University of Texas at Austin. In 1994 he came to Penn State.

His lectures include: "Introduction: From the Solar System to the Vast Universe," Feb. 4; "Geometry and Evolution of the Universe," Feb. 11; "The Beginning: The Big Bang," Feb. 18; "Building Matter Out of Energy," Feb. 25; "Building Galaxies and the Need for Dark Matter," March 18; "Cosmic Microwave Background: Glow from the Big Bang," March 26; "Inflation is Necessary!" April 1; and "How Far are We from Knowing the Fate of the Universe?" on April 15. No lectures are scheduled for March 4, 11 or April 8.

Free parking for the lectures is available behind Osmond Laboratory across from the Hetzel Union Building (HUB) on Pollock Road on the University Park Campus. Metered parking is available at the HUB Deck parking garage on Shorthill Road. For more information, contact Dr. Tuluie at 863-6091 or the Eberly College of Science Office of Public Information at 863-4662.



Robin Tuluie

### AIDS activist to give talk at Behrend

Cindy Patton will present the opening talk in the second annual Feminist Scholars Speaker Series at Penn State Erie, The Behrend College, at 7:30 p.m. Thursday, Feb. 2. Her lecture, "From Innocence to Safety: Men's Representations of Young People's Risk for AIDS," will be held in Reed Lecture Hall, Reed Union Building. It is open to the public.

An AIDS activist, Dr. Patton has written extensively on the HIV/AIDS epidemic and is a member/adviser on numerous international committees. She is widely recognized as a leading spokesperson and expert in the field.

Dr. Patton is a faculty member of the Department of Rhetoric and Communications at Temple University. She is the author of *Inventing AIDS, Sex and Germs: The Politics of AIDS, Making It: A Woman's Guide to Sex in the Age of AIDS*, and most recently, *Last Served: Gendering the HIV Pandemic*.

Her appearance is sponsored by the Penn State-Behrend Division of Humanities and Social Sciences and the Penn State Equal Opportunity Planning Committee. For more information about the lecture or the series, contact the division at 898-6159.

## Awards

### Assistant professor to receive Beckman Young Investigator Award

Michael J. Natan, assistant professor of chemistry, has been selected to receive the Beckman Young Investigator Award.

The prestigious award is intended to promote research in chemistry and the life sciences and to foster the invention of methods, instruments, and materials that will open new avenues of research in science. It is funded by the Arnold and Mabel Beckman Foundation and is presented to principal investigators who have completed no more than three years of their initial appointment as an independent researcher at a nonprofit institution.

As one of this year's winners, Dr. Natan will receive a grant of \$200,000 over a two-year period. He plans to continue his research in self-assembly of colloidal gold particles, which form macroscopic surfaces that are useful in bioinorganic chemistry, bioanalytical chemistry, and nonlinear optics.



Michael J. Natan

### Head of chemical engineering honored by national society for contributions

J.L. Duda, professor and head of chemical engineering, has received the Warren K. Lewis Award for Contributions to Chemical Engineering from the American Society of Chemical Engineers (AIChE). The award honors "recognized distinguished and continuing contributions to chemical engineering education."

An expert in polymer science, engineering and tribology, Dr. Duda has authored 150 technical publications. Actively involved in AIChE, he has taught continuing education courses, sat on the National Awards Committee, participated in the Speakers Bureau, chaired the Charles M.A. Stine Award Committee and currently directs the Materials Engineering and Sciences Division.

Dr. Duda previously won AIChE's William H. Walker and Charles M.A. Stine Awards and the American Association of Engineering Education's Chemical Engineering Division Lectureship Award.



J. L. Duda

### Penn State Mont Alto Campus

### Director of university relations cited for excellence in service with new award

Eileen Graham, director of university relations at the Penn State Mont Alto Campus, has received the campus' first John F. Benchoff Award for Excellence in Service.

The award, named for the late John F. Benchoff, former assistant director of Student Affairs at the campus, was established to recognize staff employees, members of the campus' Advisory Board or students who exhibit outstanding performance in a non-faculty role.

Mr. Benchoff, who retired in June 1991, was a mainstay at the campus for 23 years, responsible for financial aid, discipline, veterans' affairs and the campus' equal opportunity program. He coached the men's basketball team for 22 years, tallying 21 winning seasons and a record of 315 wins and 128 losses. Following his retirement, he served as a member of the campus' Advisory Board and, at the time of his death on Dec. 11, 1993, was completing his first, four-year term as mayor of Greencastle.

As director of University Relations, a position she has held for the past six years, Ms. Graham is responsible for the campus' development and public information programs and the production of campus publications. A syndicated columnist, she currently is completing the requirements for a master's degree in English.



Eileen Graham

### Student nutritionists earn kudos for outreach efforts

A swat team of student nutrition-educators at University Park spread the word on what is and what is not so healthy on dining hall menus to more than 12,000 resident students. Their volunteer efforts not only promote healthy food choices in dining halls and elsewhere, they also have earned the National On-Campus 1994 Best Ideas in Student Services Award.

Melissa Martilotta, University Health Services dietitian and clinical nutrition instructor, received the award for the Dining Hall Outreach Program, developed by the Office of Health Promotion. She is the nutrition adviser to the program, which, when it began two years ago, was the first of its kind among large public universities.

The students are members of HealthWorks, a University Health Services peer-education program that targets a variety of student health issues, such as drug and alcohol abuse, sex education as well as nutrition issues. Susan Kennedy, associate director of University Health Services, said, "Essentially, the students, who have been professionally trained, have been able to extend personal nutrition counseling from what one staff nutritionist would be able to accomplish to a full-scale service for thousands."

The Dining Hall program began during National Nutrition Week several years ago and is now integrated into regular Food Service Operations. Dining hall managers provide HealthWorks with a computerized nutrition analysis of menu items and updates are made available on a weekly basis. During the "Healthy Choice" event, nutrition peer educators put together a nutritious meal by selecting food from the menu that meets the Dietary Guidelines for Americans.

In addition, peer educators are at the food lines telling dining hall customers why and how the selections were made and offer suggestions on healthier and less caloric choices than they would normally make. The group also offers a workshop called, "Getting More or Less from Dining Hall Meals," in which they not only discuss nutrition, but also how to avoid eating disorders and the dreaded "Freshman 15" — extra pounds that too often are part of going to college.

During "Healthy Choice" programs, dining hall statistics show a 10 to 20 percent increase in the number of students who select the healthy choice meal when it is advertised as such. In addition, more than 800 students discussed their meal choices with the volunteer nutritionists last year.

### Associate professor has Russian research funded

Carol Nechemias, associate professor of public policy at Penn

State Harrisburg, has received a short-term grant for research at the Kennan Institute of Advanced Russian Studies of the Woodrow Wilson International Center for Scholars in Washington, D.C.

Dr. Nechemias, who will be in residence at the Kennan Institute during the summer of 1995, will have as her research project, "The Dec. 12, 1993 Russian Parliamentary Elections and the Women's Bloc: Fleeting Aberration or the Emergence of a Women's Movement?"

She also received a travel grant from the International Research and Exchanges Board and traveled to Moscow in late November to interview women deputies and activists associated with the Women of Russia Movement. Dr. Nechemias attended the All Russia Women's Congress in Moscow.



Carol Nechemias



## Awards

## Engineering colleagues land research grant to aid in development of artificial organs

Two College of Engineering researchers have received grants totaling \$357,000 from the Whitaker Foundation of Washington, D.C., to pursue research in the mechanics of blood flow and the effects of hypertension.

Cheng Dong, assistant professor of bioengineering, received \$177,000 to study the effects of prolonged blood cell interaction with a manufactured surface. He will study the impact of that interaction on the deformation and adhesion of white blood cells.

The research will aid in the development of artificial organs and other circulatory assist devices that have surfaces in extended contact with blood as well as a better understanding of the inflammations associated with artificial organs.

Shizhuo Yin, research associate in the Department of Electrical Engineering, received \$180,000 to study the cellular basis of diseases affecting heart muscles.

His research will focus on the development of a fast, non-invasive measuring technique based on real-time optical speckle velocimetry techniques. The technique will measure the contracting force of a single heart muscle in order to distinguish between the cellular and muscular mechanisms of diastolic heart failure.

The Whitaker Foundation primarily supports research and training at the interface of medicine and engineering. Since 1976, it has awarded more than \$100 million for faculty research, graduate fellowships and program development.

## Staff honored

Twenty-nine staff members in the Eberly College of Science have been honored for continuous service to the college. The college honored two recipients, Patricia A. Blasko, administrative aide in the Department of Physics, and Nevlin F. Corl, supervisor of the Department of Chemistry stockroom, for 35 years or more of continuous service.

Honored for 25 years of continuous service to the college were David P. Anderson, financial officer; Gerald P. Richner, laboratory attendant in the Department of Biochemistry and Molecular Biology, and Larry E. Strickler, supervisor of the Department of Astronomy and Astrophysics machine shop and laboratory.

Also receiving awards for continuous service to the college were: 15 years - Ronald Kessinger, Sharon Pishak, Barbara L. Spindler.

10 years - Paul H. Corman, Gail Feldman, Rita Morbeto, Anthony Omis, Mary Anne Raymond, Nancy Shunk, Robert Lumley-Sapanski.

5 years - Kenneth Barger Jr., Connie R. Fetzter, Bruce L. Bryerton, Laura Holler, Michael C. Burns, Nancy Johnson, Linda A. Collins, Claire Larkin, Sarah Derber, Eileen McConnell, Donna Doerr, Suzanne Sinclair, Timothy Ething, Louis Zimmerman.

## Professor earns Rockefeller Foundation funds

Adam J. Sorkin, professor of English at the Penn State Delaware County campus, has been awarded a grant from the Rockefeller Foundation in support of a month-long residency at the foundation's Study and Conference Center in the Villa Serbelloni, Bellagio, Italy.

He will be in residence during June to collaborate with Romanian poet and fiction writer Daniela Crasnar. They will finish the translation of a volume of her poetry and a collection of her short fiction.



Adam J. Sorkin

Dr. Sorkin's collaborative translations of 20 Crasnar poems already have appeared in the literary magazines *Poetry*, *Pittsburgh Courier*, *Antigonist Review* (in Canada), and *Visions International*, as well as in the 1994 book, *An Anthology of Romanian Women Poets*, which Dr. Sorkin edited with Kurt W. Treptow, of the University of Illinois and director of the Office of the Romanian Cultural Foundation, Iasi, Romania.

The Bellagio Study and Conference Center provides an international environment for week-long conferences; month-long study residence for scholars, scientists, and artists, and team residencies of varying lengths for creative artists and problem-solving groups.

## National association recognizes University program

A Continuing and Distance Education program on the growing problem of violence in hospital emergency rooms won an Award of Excellence from the National University Continuing Education Association (NUCEA) Region II.

The award honored "Emergency Department Violence - Combating an Alarming Problem." The one-day conference, held March 17, 1994, was developed by Suzanne Wrye, director of Health Care Program Development, and Stephanie S. Tyworth, program specialist and coordinator of the conference, in collaboration with the colleges of Health and Human Development and the Liberal Arts.

"The conference offered an innovative look at an emerging problem," Ms. Tyworth said. "It focused specifically on the health care environment which differs in many ways from other workplaces. The program blended current research on the types and incidence of emergency department violence with practical information and skills

that learners could use at the work site to minimize the risk of violence."

Faculty members involved in planning the program included William H. Parsonage, associate professor of administration of justice and health education, and John F. Sullivan, assistant professor of administration of justice, both in the College of the Liberal Arts, and Beverly S. Mahoney, assistant professor and undergraduate coordinator, Department of Health Education, College of Health and Human Development. Dr. Mahoney's research formed the basis of the conference.

The conference attracted 99 health care personnel working in emergency rooms and included presentations by Penn State faculty members and other experts, as well as an exhibit of security products and services.

## Professor receives international acclaim for his work

Christopher R. Wronski, professor of electrical engineering, has been honored by the U.S. and Japanese governments.

Dr. Wronski was recognized by the U.S. Department of Energy for "outstanding contributions and leadership in photovoltaic research and development."

Dr. Wronski was one of four researchers recognized during a DOE news conference announcing the construction of the first large manufacturing plant for thin film, photovoltaic panels. The plant, which will produce 10 megawatts per year of amorphous silicon solar cells, represents a major breakthrough in applying state-of-the-art technology to the generation of electricity in the U.S.

He also received a JSPS Invitation Fellowship from the Japan Society for the Promotion of Science. The Japanese honor is part of the JSPS Invitation Fellowship program for research and includes a two-month stay in Japan as a guest of the society.

Dr. Wronski will be hosted by Professor I. Shimizu, Tokyo Institute of Technology. In addition to giving seminars, he will carry out research at the Institute on amorphous semiconductors and visit university and industrial laboratories throughout Japan.

Dr. Wronski also recently presented the plenary lecture, "Amorphous Silicon Technology: Coming of Age?" at the First World Conference on Photovoltaic Energy Conversion in Hawaii.



Christopher R. Wronski

## President Thomas cited for service

The Penn State Hotel and Restaurant Society has honored President Thomas for his contributions to hospitality education at Penn State.

Walter Conti, a 1952 Penn State graduate who is a Penn State Alumni Fellow, Distinguished Alumnus, and former chair of the Penn State Board of Trustees, said, "Dr. Thomas is being recognized for generously giving his time and energy to promote the School of Hotel, Restaurant and Recreation Management. Never in the 57 years since the beginning of our program has a Penn State president demonstrated such continued commitment in promoting the education and service aspects of our school and its programs."

Among other contributions, Dr. Thomas has helped to foster collaborations between the school and the Nittany Lion Inn, Penn State Scenic, and Penn State Food Service. These collaborations have led to internships for students and work experiences in the hospitality industry.

Dr. Thomas also is a regular patron of the school's Cafe Laura, in the new Master Building, and has been a visible presence at many school functions.

The IHSRS is an alumni organization of the School of Hotel, Restaurant and Recreation Management, part of Penn State's College of Health and Human Development.

# The ARTS

AT PENN STATE

## Violin & piano recital

Duo Concertant will present a recital of music for violin and piano at 8 p.m. Friday, Jan. 27, in the School of Music Recital Hall on the University Park Campus. School of Music faculty members James Lyon, violinist and assistant professor of music, and Timothy Shafer, pianist and associate professor of music, comprise the duo. The recital at University Park is part of a series of recitals the duo is performing in Illinois, Ohio, Virginia, and New Jersey, with the program culminating in a performance at Carnegie Hall's Weill Recital Hall in New York City on Feb. 11.

The Penn State recital is open to the public. Tickets for the recital at Carnegie Hall may be purchased by calling Carnegie Charge at (212) 247-7800. Charter bus transportation has been arranged for anyone making the trip to New York City to hear the recital at Weill Hall. Seats are available on a first-come, first-serve basis by sending a check made payable to Penn State in the amount of \$21 to Wendy Hill, 115 Arts Building, College of Arts and Architecture. The bus will depart from New York City from the School of Music South Parking Lot (on N. Allen Street) at 7 a.m. Saturday, Feb. 11, and depart New York City at 6 p.m. the same day.

Checks may not be delivered in person.



Duo Concertant

Pianist Timothy Shafer and violinist James Lyon, both faculty members, will present a Jan. 27 recital on the University Park Campus.

**"The Tragedy of Macbeth"** Shakespeare's "The Tragedy of Macbeth" will be performed at 8 p.m. Saturday, Jan. 28, in Eisenhower Auditorium on the University Park Campus.

Leading Black actors from the Royal Shakespeare Company and the Royal National Theatre of Great Britain will perform in this contemporary staging of the tragedy. The production will leave Shakespeare's original text unchanged except for a setting change that moves the play from 11th-century Scotland to modern day Africa. This is achieved greatly through the addition of heavy drumbeats and the costumes of colorful African robes over Western-style suits.

This critically acclaimed production is directed by South African-born Stephen Rayne, who will participate in an "Artistic Viewpoints" seminar at 7 that evening in Eisenhower's Green Room.

For ticket information, contact the Eisenhower Auditorium Ticket Center,

## Unconventional form

This sculpture, by Carol Genithes, is part of the imaginative exhibit on display in the Kern Exhibition Area on the University Park Campus through Feb. 21.

open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255. Outside the local calling area, dial 1-800-ARTS-TIX.

## Bach's Lunch

The Penn State Chamber Singers, under the direction of D. Douglas Miller, professor of music, will perform for the Bach's Lunch series at 12:10 p.m. Thursday, Feb. 2, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

## Blue and White Montage Concert

A concert of non-stop music featuring ensembles from the School of Music will be presented at 8 p.m. Friday, Feb. 3, in Eisenhower Auditorium on the University Park Campus.

The gala event, called a Blue and White Montage, is in its second year.

Ensembles involved range from the Philharmonic Orchestra to a gospel choir, and they represent styles as diverse as Hector Berlioz and contemporary South American music. School of music faculty members Peter Kiefer, instructor of music, and James Lyon, assistant professor of music, are co-directors of the concert.

For ticket information, contact the Eisenhower Auditorium Ticket Center, at (814) 863-0255.

## Odyssey on WPSU

On the next episode of Odyssey Through Literature, William J. Harris, from the Department of English at Penn State, speaks about the vernacular aspect of African-American traditions.

Examining the poetry of Al Young and Nikki Giovanni, he reveals some of the complexities that make up the "box" that constitutes African-American poetry. He likewise comments on poems of his own, noting "the tension between the individual and the collective. I want to be a part of the tradition but on my own terms."

Odyssey Through Literature is produced in the audio studios of WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Special Exhibit at HUB

The HUB's Browning Gallery is displaying oil paintings of Milim Lin through Feb. 5.

Milim Lin, a Korean artist whose works reflect the similarities she notices between North American farm scenes and the memories of her childhood in Korea, earned an MFA from Penn State.

The HUB Browning Gallery is on the first floor of the HUB building on the University Park Campus.

## Alice's wonderland

"3MTA3 The Secrets of Alice's Wonderland," an exhibition of Jennifer Dowlin's work, is being held in Pattee Library's East Corridor Gallery through Feb. 10.

Ms. Dowlin states that, "the show makes use of the classic book Alice's

Adventures in Wonderland by Lewis Carroll to speak about the issue of obesity and the attitudes that surround it."

She is a resident of State College, and a student at Penn State working on a bachelor of fine arts degree in painting.

## Mozart symposium

The life of Pennsylvania resident Lorenzo Da Ponte and his collaboration with Wolfgang Amadeus Mozart will be explored Feb. 11-12 at a symposium in the Nittany Lion Inn on the University Park Campus.

Hosted by the Institute for the Arts and Humanistic Studies, the event will evaluate Da Ponte's life and the role of his texts in the success of Mozart's operas. The symposium features lectures by noted Da Ponte scholars, a Venetian banquet, and a concert by the Pennsylvania Chamber Orchestra featuring selections from Da Ponte's *Motets*.

Da Ponte's niche in history was secured by the texts he provided Mozart for *The Marriage of Figaro*, "Don Giovanni," and *Così fan tutte*. "He is also credited with founding the first Italian studies program in the United States and the first home for Italian opera in New York City."

The lectures are open to the public. Tickets for the banquet are \$30 per person, and tickets for the concert are \$10 per person. The concert will be held Sunday, Feb. 12, in the School of Music Recital Hall.

The symposium is co-sponsored by the College of Arts and Architecture, College of the Liberal Arts, and the Pennsylvania Humanities Council. Advance registration is required.

For more information regarding the symposium, please contact George Mauner at (814) 865-4095. Registration materials can be obtained by calling Chuck Wilson at (814) 863-5130.

## Art Alley posters

The HUB's Art Alley on the University Park Campus is displaying a poster exhibit titled *The Parsons School of Design of New York City through Feb. 19*.

The exhibit is composed of selected entries submitted to a poster competition by junior-year communication design students at Parsons. These design use type, images, and color to transform an abstract idea into provocative visual communications.

Parsons is an international design school offering BFA and MFA degree programs in many design and fine arts disciplines and is a division of the New School for Social Research.

The poster competition's topic was "Diversity, the Unifying Theme of the American Republic." Students had full creative license with only a size requirement and an option to use the line, "diversity, our unifying heritage."

The Art Alley is on the first floor of the HUB building.

## Kern exhibits

The Kern Exhibition Area on the University Park Campus is featuring the photography of Palmore Clarke and the sculpture of Carol Genithes through Feb. 21.

Ms. Genithes mixes unconventional form and erratic composition with her





## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, January 26

Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Penn State Trombone Choir.■ Australia and New Zealand Studies center  
Australia Day Dinner, 7 p.m., Autopot  
Restaurant, 5, Alhambra Street.

Friday, January 27

Housing Fair, 10 a.m.-4:30 p.m., HUB Ballroom  
and Fishbowl. Also Jan. 28.Sigma Xi noon, 101 Kern Bldg. Michael Arthur  
on "Science by Submersible."Gallery Talk, 1:30 p.m., Christofers Lobby,  
Palmer Museum. Jennifer Olson on "Look-  
ing at Rembrandt: The Art of Leonard Le-  
bowitz and Ken Aptekar."School of Music, 8 p.m., Recital Hall. Duo Con-  
cert.

Saturday, January 28

Gallery Talk, 1 p.m., Christofers Lobby, Palmer  
Museum. Jennifer Olson on "Rembrandt's  
Etchings."Center for the Performing Arts, 8 p.m., Eisen-  
hower Aud. "The Tragedy of Macbeth."

Sunday, January 29

Film, 1 p.m., Palmer Lippson Auditorium. "The  
Mirror of Paradoxes: Rembrandt's Self-Port-  
raits."

Monday, January 30

Contemporary Scholarship on Lesbian and Gay  
Lives, 4 p.m., 110 Wark Lab. Cheryl  
Dunne on "Complicated Flesh: Video  
Works, 1990-Present."

Tuesday, January 31

Center for Women Students Sexual Assault  
Awareness/Prevention event, 7 p.m., HUB  
Assembly Room. "Let's Talk - Sexual  
Assault at Penn State" and "Penn State Sur-  
vive."

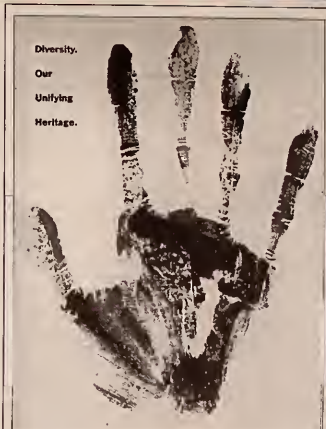
Thursday, February 2

Sigma Xi noon, 101 Kern. K.C. Kim on "Bugs  
Don't Lie! Forensic Entomology."Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Penn State Chamber Singers.Special Exhibition Programs, 7:30 p.m., Palmer  
Museum. Leonard Leibowitz on "Why Rem-  
brandt?"

Friday, February 3

Gallery Talk, 2 p.m., Christofers Lobby, Palmer  
Museum. Debra Greenleaf on "Chairs,  
Chests, and a Clock: Antique Furnishings  
all the Palmer."School of Music, 8 p.m., Eisenhower Aud. A  
Blue and White Montage. Tickets required,  
call 863-0255.

Saturday, February 4

Office for Minority Faculty Development, 9  
a.m., 114 Kern. Hector Flores, speaker, for  
"Publishing" workshop.Penn State Lectures on Frontiers of Science,  
11 a.m., 101 Osmond Lab. Robin Tulio on  
"Introduction: From the Solar System to the  
Vast Universe."Center for the Performing Arts, 8 p.m., Schweb  
Aud. Anner Bylsma, cello. Also Feb. 5, 3

## Unifying heritage

A poster exhibit from the Parson's School of Design of New York  
City featuring the theme of "diversity, unifying heritage" is on  
display in the HUB Art Alley on the University Park Campus.

p.m. Tickets required, call 863-0255.

Sunday, February 5

Gallery Talks, 2 p.m., Christofers Lobby,  
Palmer Museum. Jennifer Olson on "The  
Art of Leonard Leibowitz and Ken Aptekar."School of Music, 8 p.m., Recital Hall. Steven  
Smith, piano.

p.m. Tickets required, call 863-0255.

## PUBLIC RADIO

WPSU FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.;  
Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. &amp; Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with L. Leonard  
Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 8 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8  
p.m.

"Thistle &amp; Shamrock," Sun., 4 p.m.

## SEMINARS

Thursday, January 26

Continuing and Distance Education, noon, 201

Sean Carroll on "Energy-Momentum  
Restrictions on Time Machines in 2 + 1  
Dimensions."

Tuesday, January 31

Chemical Engineering, 9 a.m., 140 Fenske Lab.

Athanassios Panagiotopoulos on "Molecular  
Simulation of Phase Equilibria."Biology, 4 p.m., 8 Mueller Lab. Andrew Bertl on  
"Molecular Genetic Analysis of Pathogen  
Recognition and Plant Disease Resistance."Graduate Program in Nutrition, 4 p.m., 5-209  
Henderson Bldg. South. John Kiwan on  
"The Effects of Exercise on Insulin Action in  
Men and Women."

Thursday, February 2

Center for Gravitational Physics and Geometry,  
11:30 a.m., 339 Davey Lab. Glad Uchytz,  
speaker.Adult, Continuing and Distance Education,  
12:15 p.m., Studio D Mitchell Bldg. Ann  
Taylor-Bram on "The Rhinoceros and Really  
Picture Talk."

Friday, February 3

Agronomy, 3:35 p.m., 107 ASI. Scott Harrison  
on "Pesticide Concentrations in Rural Wells  
in Com Producing Regions of Pennsylvania."Keller, Kathleen  
Pavelko on "The  
Art of the Inter-  
view: Question-  
ers Tips O'raph  
Never Taught  
You."Computer Science  
and Engineer-  
ing, 4 p.m., 302  
Pond Lab.  
Cathy Riemer  
on "The Globin  
Gene Service: A  
Computer Tool  
for Molecular  
Biology."

Friday, January 27

Agronomy, 3:35  
p.m., 107 ASI.Dan Knievel on  
"Regulation of  
Sink Strength in  
Plants."Geography, 4 p.m.,  
319 Walker  
Bldg. Anna  
Grissold on  
"Overview of  
Student Aid Pro-  
grams at Penn  
State."Monday, January  
30Center for Gravitational  
Physics and Geometry,  
11:30 a.m., 339 Davey Lab. Glad Uchytz,  
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Picture Talk."

Friday, February 3

Agronomy, 3:35 p.m., 107 ASI. Scott Harrison  
on "Pesticide Concentrations in Rural Wells  
in Com Producing Regions of Pennsylvania."

ria."

■ Geography, 4 p.m., 319 Walker Bldg.  
Stephen Matthews on "Transitions from  
School to Work to Home in Wales in the  
Late 1970s."

## CONFERENCES

Thursday, January 26

Rural Health Outreach Workshop, 25 atten-  
dees, 504 ASI Bldg.

Monday, January 30

Food Service Manager 2000, 110 attendees,  
Nittany Lion Inn. Through Jan. 31.Effective Curriculum Leadership, 30 attendees,  
The Penn State Scantillon. Through Jan.  
31.

Friday, February 3

Sustainable Agriculture, 400 attendees, Nittany  
Lion Inn. Through Feb. 4.

## EXHIBITS

HUB Browsing Gallery:

"Min Lin Oil Paintings," through Feb. 5.

HUB Art Alley:

Parsons School of Design Poster exhibit,  
through Feb. 19.

HUB Art Alley Cases:

"International Mixed Media," through Feb. 20.

Kern Panels:

"Pamela Clarke Photography," through Feb.  
21.

Kern Plot and Tail Cases:

"Card Graphics Ceramics," through Feb. 21.

Palmer Museum:

"Rembrandt Etchings: Selections from The  
Caracas Museum of Art," through March 5."Looking Forward, Looking Back: The Etchings  
of Leonard Leibowitz," through March 5."Rembrandt Redux: The Paintings of Ken  
Aptekar," through March 5."Gita to Celebrate the New Museum," Jan. 31  
through July 16.

Patten East Corridor Gallery:

"JMTAG The Secrets of Alice's Wonderland,"  
Jennifer Dowlin's work, through Feb. 10.

Patten Learning Services Gallery:

"Gita Judea Alhadeff's Photography," through  
Feb. 29.

Schlow Memorial Library:

"Scapes: Student Drawing Exhibition," through  
Feb. 1.

Zeller Gallery:

■ "States of Contrast: Contemporary South  
African Printmaking," through Feb. 26.

■ Reflects an international perspective

## TIPS

Information Penn State

Call 863-1234, and enter the number of the  
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listed in the front of the telephone direc-  
tories. Other messages are Weather—204;  
Arts Line—345; University Calendar—456.

## Arts

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powers of observation, intuition, and unrestrained  
imagination to create sculptures.A profound believer in the absurd, Ms. Gentiles  
has been hand building whimsical, non-traditional  
figures and forms in clay for six years. After obtain-  
ing a BA in literature from Duke University and  
working in New York City, she returned to school  
for a BFA in ceramics from Alfred University.

The photography exhibit by Mr. Clarke includes

photographs of landscapes, architecture, and people  
taken during his trips to Africa, Asia, and Central  
America from 1987-1993.Mr. Clarke set out in 1987 on a two-year, round-  
the-world journey, including visits to 30 countries.  
He graduated from Washington and Lee University  
in 1980 and moved to State College in 1994.Both artists will participate in the Artist Talk  
Series in the Kern Exhibition Area from noon-1 p.m.  
Ms. Gentiles will discuss her work on Feb. 8, while  
Mr. Clarke will talk on Feb. 15.The Kern Exhibition Area is on the first floor of  
the Kern Graduate Building on the University Park  
Campus.

## "Disarticulated Membranes"

Cara Judea Alhadeff's photography exhibition titled  
"Disarticulated Membranes" is being held in Patten  
Library's Lending Services Gallery through Feb. 29.Ms. Alhadeff states about her work, "My images  
explore the precarious balance between desire,  
denial, excess, pleasure, and pain, and the ways in  
which 'difference' is defined within their intersecting  
boundaries."She is an undergraduate student at Penn State in  
an independent major that she created and titled cor-  
poral politics.

# Leaves of Absence

The following approved leaves of absence have been presented to the Board of Trustees.

## College of Agricultural Sciences

David J. Beattie, associate professor of ornamental horticulture, to develop new propagation techniques for miniature pot roses and to acquire knowledge that will benefit the nursery and floriculture industries in Pennsylvania in Aarslev, Denmark.

John C. Becker, professor of agricultural economics, to participate in an alternative education experience involving research and teaching on topics of American environmental law and policy at the Wageningen Agricultural University in Wageningen, The Netherlands.

Jeffrey T. Fowler, associate extension agent (Venango County), to complete a master's degree in adult education at Penn State.

Frederick E. Gildow, associate professor of plant pathology, to study the cellular and molecular determinants regulating plant host-parasite transmission by insect vectors, and to develop skills for utilizing cell systems for molecular studies of virus replication at the Scottish Crops Research Institute in Dundee, Scotland.

Milton C. Hallberg, professor of agricultural economics, to lecture on agricultural policy objectives and alternatives of the United States at the University of Sydney and other universities in Australia.

C. William Heald, professor of dairy science, to study adult education teaching methods for dairy extension programs and to broaden knowledge of remote expert systems applications in agriculture at the University of Minnesota.

Daryl K. Heasley, professor of rural sociology and director of the Northeast Regional Center for Rural Development, to study public use leadership skills research and process that will contribute to furthering the programming between Penn State and the Universities of Catania and Piacenza in Italy, and to adapt the U. S. Extension Service model for use in Italy at various locations in Italy—at Sicily, Emilia Romagna, the Italian Embassy, and the international language facility in Washington, D.C.

Kenneth D. Hickey, professor of plant pathology and scientist-in-charge of the Fruit Research Lab, to conduct research on

the biological control of fire blight of apples and pears and brown rot blossom blight of stone fruits at Oregon State University.

Richard S. Kauffman, associate extension agent (Berks County), to complete a master's degree in instructional systems at Penn State Great Valley.

Leon J. Ressler, extension agent (Lancaster County), to complete a master's degree in environmental pollution control at Penn State Harrisburg.

Faul D. Robillard, associate professor of agricultural engineering, to conduct research on water quality monitoring network designs in Quito, Ecuador.

Gary W. Rogers, associate professor of dairy and animal science, to conduct research on the relationship between health traits, somatic cell counts, and type traits in dairy cattle at the Swedish University of Agricultural Sciences in Uppsala, Sweden.

Timothy J. Rollins, associate professor of agricultural and extension education, to teach courses on designing informal youth development programs and conduct research in the assessment of the cognitive competencies and skills of Tasmanian youth at the University of Tasmania in Australia.

Richard M. Rudowski, associate extension agent (Philadelphia County), to complete a doctoral degree with an emphasis in non-formal instructional design and administration at University Park.

Janice E. Black Stoudour, associate extension agent (Bedford County), to complete a master's degree in home economics at University Park.

James E. Van Horn, professor of rural sociology, to study the socialization processes and cultural practices of parents in Asian, African American, and Latino families and develop a multicultural parent education curriculum applicable in cooperative extension programs at The American University in Washington, D.C., the University of South Florida, in New Jersey, and selected Pennsylvania counties.

## College of Arts and Architecture

Arthur K. Anderson, Jr., associate professor of architecture, to participate in the Semester at Sea program of the Institute for Shipboard Education to visit significant

architectural sites throughout the world to photograph the images and record experiences of outstanding design examples that will be used to expand the four design theory courses offered by the Department of Architecture.

Richard Gray, associate professor of theatre arts, to conduct research on the latest theatre mechanizations and prepare to write a text on the extension of theatre technologies to theme parks and resort attractions in New York City, Las Vegas, and various California studios.

Robert S. Hatten, associate professor of music, to conduct research on musical gesture, focusing on the solo piano works of Mozart, Beethoven, and Schubert.

Neil P. Korostoff, associate professor of landscape architecture, to develop a book on the art and science of ecological landscape gardening.

Gerald Lang, professor of art, to complete final curatorial and presentation work for the national traveling exhibition, "The Photograph: A Historical Survey of Hand-colored Photography, 1839 to the Present".

Leslie G. Leupp, professor of art, to enroll in an intensive course of study in classical and traditional jewelry-making and to conduct research on the traditions and histories associated with these materials and processes at the Jewelry Arts Institute in New York City.

Veronica Burns Lucas, associate professor of landscape architecture, to develop the prepropositional foundations for a bilingual education program in landscape architecture for delivery both at Penn State and Mexico at the Universidad de Monterey and the Universidad de Estado Michoacan in Mexico.

Jerrold Maddox, professor of art, to develop the uses of hardware, software, and archived information to create works of art on the computer that include both visual and verbal materials.

Lyle C. Merriam, professor of music and director of the School of Music, to conduct research in woodwind music in print, and to develop and prepare material for a third edition of two-volume reference texts from 1975 and 1984 on the subject.

A. Richard Nichols, professor of theatre arts, to conduct research on the martial arts and the development of teaching methods centered on the integration of Martial Arts/Asian Theatre Disciplines and actor training.

Jeanne C. Porter, associate professor of art history, to accept an invitation from Italica Press to write and edit the Baroque volume of the proposed "Documentary History of Naples".

M. Suzanne Roy, associate professor of music, to study the performance, history, literature, and pedagogy of the art song, particularly in the area of American poetry-music relationships at Indiana University, the University of Michigan, the Lin-

coln Center for the Performing Arts Library, the Carnegie Hall archive, and the Library of Congress.

Brent G. Wilson, professor of art education, to assess the outcomes of six professional development programs in art education at various locations in Florida, Georgia, Nebraska, Ohio, Texas, and Tennessee, and to study the adjudication process in school-leaving art examinations in Great Britain and The Netherlands.

## Penn State Erie, The Behrend College

Mary G. Chisholm, associate professor of chemistry, to study chiral gas chromatography at the Lord Zuckerman Laboratories in Reading, the United Kingdom.

Paul E. Koch, associate professor of engineering, to complete a doctoral degree in engineering at the University of Massachusetts.

Gregory L. Morris, associate professor of English, to conduct research on the various historical impulses found in contemporary western American fiction at the University of Nebraska-Lincoln.

## The Smeal College of Business Administration

Kenneth M. Lusht, professor of business administration, chair of the Department of Finance and Real Estate, and director of the Institute for Real Estate Studies, to study the traceability of price difference to marketing mechanism in property markets, and determine whether the shifting of taxes from improvements to land has a measurable impact on prices and liquidity at the Royal Melbourne Institute of Technology in Melbourne, Australia.

J. Keith Ord, David H. McKinley Professor of business administration and professor of statistics, to conduct research on business forecasting at Monash University in Australia, to work on time-dependent quality indicators at the Veteran's Administration in Washington, D.C., and to complete the revision of a coauthored text.

John M. Stevens, professor of management and organization, to operationalize constructs associated with corporate competitive strategy and environmental management at the University of Michigan.

Linda K. Treviño, associate professor of organizational behavior, to develop a conceptual model of the process of perception/recognition of ethical issues in organizations at Georgetown University.

Jerome D. Williams, associate professor of marketing, to conduct research on cultural implications of business-to-business marketing relationships in the Pacific Rim Region, and to enhance the international dimensions of teaching capabilities at the Nanyang Technological University in Singapore and the Chungnam National University of Korea.

S. Hong Xu, associate professor of manage-



# Leaves

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ment science, to expand existing research program in stochastic modeling and optimization and its applications at the Institute of Applied Mathematics in Beijing, China, and the University of California at Berkeley.

## School of Communications

**Richard D. Taylor**, Palmer Professor of telecommunications studies and law, to study and write on information economics and its relationship to national development at the East-West Center in Honolulu, Hawaii

## College of Earth and Mineral Sciences

**Michael M. Coleman**, professor of polymer science, to lecture and conduct collaborative research on polymer blends at the Universidad del Pais Vasco in San Sebastian, Spain.

**Roger M. Downs**, professor and head of the Department of Geography, to assist in the development of geography education materials, and to complete a research project on the involvement of girls and boys in a geography competition at the National Geographic Society in Washington, D.C.

**Rodney A. Erickson**, professor of geography and business administration, to study foreign export initiation and expansion among manufacturing firms in the United States at the United States Bureau of the Census in Washington, D.C.

**William M. Frank**, professor of meteorology, to participate in an international research program known as the Maritime Continent Thunderstorm Experiment in Darwin, Australia, and to teach a graduate lecture course in atmospheric convection at Monash University in Melbourne, Australia.

**Dennis Lamb**, associate professor of meteorology, to collaborate with colleagues at the University of Washington on adapting a detailed theory of ice crystal growth to a numerical model of atmospheric clouds.

**Glenda Laws**, associate professor of geography, to study local politics arising from changing intergovernmental relations at the Australian Defence Academy in Canberra, Australia.

**Stephen J. Mackwell**, associate professor of geosciences, to study mineral behavior and interaction at high temperatures and pressures at the University of Bayreuth in Bayreuth, Germany, and the Université de Lille in Lille, France.

**Richard E. Tresler**, professor and head of the Department of Materials Science and Engineering, to pursue a research and lecture program focused on thermostructural composites at the University of Bordeaux in Bordeaux, France.

## College of Education

**Estela M. Bensimon**, associate professor of education and senior research associate, to study organizational culture, leadership, and change in Argentina's public higher education system at the Universidad de Buenos Aires and the Universidad Nacional de la Plata in Argentina.

**James T. Herbert**, associate professor of education and director of Rehabilitation Services Education Programs, to examine the impact of outdoor-based experiential activities for persons with disabilities at five outdoor-based experiential programs in the United States.

**James F. Nolan**, associate professor of education and director of Pre-Service Teaching Experiences, to conduct an intensive case study of a high school restructuring project at the Milton Hershey School in Hershey, PA.

**John A. Simon**, associate professor of education, to elaborate a developing model of mathematics teaching and conduct pilot studies on the development of individual teachers of mathematics at the State College Friends School.

**Hoi K. Suen**, professor of educational psychology, to study the psychometric features of the historic and modern Chinese civil service exam system.

## College of Engineering

**Jesse I. Barlow**, professor of computer science and engineering, to investigate accuracy issues in parallel numerical algorithms for least sequences and eigenvalue problems at the University of Manchester in the United Kingdom.

**Nirmal K. Bose**, HRB Systems Professor of electrical engineering and director of the Spatial and Temporal Signal Processing Center, to conduct collaborative research on the theory as well as applications of neural networks in signal/image processing as well as manufacturing at Princeton University and the Israel Institute of Technology in Haifa, Israel.

**Joseph P. Cusumano**, associate professor of engineering sciences and mechanics, to conduct collaborative research on experimental applications of nonlinear dynamics to machinery instability and failure prediction at the University of California at San Diego.

**John J. Henry**, professor of mechanical engineering, to develop models to evaluate tire-pavement friction under winter conditions at various locations in Norway.

**William E. Higgins**, associate professor of electrical engineering, to conduct research in digital imaging, visualization, and telemedicine at the University of Iowa and the Mayo Clinic.

**Akhlesh Lakhtakia**, associate professor of engineering science and mechanics, to conduct theoretical research on the optics of helioidally bianisotropic mediums, and to observe and participate in the evolution of an honors baccalaureate program at the University of Glasgow.

**Antonio Namli**, associate professor of architectural engineering, to conduct research on the use of advanced composites for the repair and rehabilitation for building structures made of concrete and masonry at the University of Bologna, Italy, and the Polish Academy of Sciences in Warsaw, Poland.

**Gour-Tsyh Yeh**, professor of civil engineering, to conduct collaborative research on the development of innovative computational algorithms to deal with issues associated with modeling problems at the Robert S. Kerr Environmental Research Laboratory in Ada, OK.

**Alex Aswad**, professor of engineering, to develop a comprehensive system, including a new methodology, software, and a manual for the rapid design of bridges at various bridge production plants in Arizona, Colorado, Florida, Pennsylvania, and Virginia.

**Marvin Bendley**, associate professor of health economics, to conduct research on the organization and effectiveness of markets for medical care at the Pennsylvania Health Care Cost Containment Council in Harrisburg.

## Penn State Harrisburg

**Carolyn R. Dexter**, professor of management and marketing, to teach and conduct research in business strategy at the Chinese University of Hong Kong, the National University of Singapore, International Christian University in Tokyo, and the University of Auckland.

**Daniel D. Flannery**, assistant professor of education, to gather data and write chapters for a book which will be a comprehensive review of relevant themes associated with adult women's learning at the University of Georgia at Athens.

**Patricia E. Johnson**, associate professor of humanities and literature, to complete a manuscript which investigates the intersections of gender and class in a group of nineteenth-century British novels that deal with the social and cultural impact of industrialization.

**Jeremy F. Plant**, professor of public policy and administration, to conduct research and write articles on transportation policy in the United States, at Harrisburg, other state capital locations, and Washington, D.C.

**Irwin Richman**, professor of American studies and history, to support the expansion and revision of *Pennsylvania's Architecture*, a widely-used study now out of print, and to conduct field work for the preparation of a chapter on the unique rural synagogues of Sullivan County, N.Y.

**Troy M. Thomas**, associate professor of humanities and art, to complete a book interpreting the art of the Italian painter, Caravaggio (1571-1610), in light of selected philosophical and religious strains at the end of the sixteenth century.

**Cayle J. Yaverbaum**, associate professor of information systems, to develop multimedia educational materials, to publish findings of research associated with educational media, and to develop a computer interface design guide at University Park.

## College of Health and Human Development

**Linda M. Burton**, professor of sociology and human development, to complete a book that reports findings from a five-year community-based study of context and development in urban African-American families with teenage children, and to conduct research on the use of developmental methodologies for ecological studies of family and individual development at the University of North Carolina at Chapel Hill.

**Frederick J. DeMico**, associate professor of hotel, restaurant, and institutional management and associate director of Hotel, Restaurant, and Institutional Management, to participate in a large hospitality corporation's faculty sabbatical program and to conduct research in gerontology and food service management.

**Michael H. Green**, professor of nutrition science, to conduct collaborative research on vitamin A metabolism at Hoffmann-LaRoche in Basel, Switzerland, and the Karolinska Institute in Stockholm, Sweden.

**Sara Hazen**, associate professor of human development and anthropology, to conduct research and write on a cross-cultural study of parents' beliefs about childrearing and child development at the University of Leiden in Leiden, Holland.

**Deborah B. Preston**, associate professor of health education and nursing, to conduct research on the factors associated with occupational risks to nurses of caring for AIDS patients in rural and urban communities at the Universities of Catania in Sicily and Piacenza (Emilia Romagna) in Italy.

**Bruce C. Stuart**, associate professor of health policy and administration, to conduct research in pharmaceutical economics at the Philadelphia College of Pharmacy in Philadelphia.

**Charles M. Super**, professor of human development and family studies, to complete a cross-cultural study on parents' theories of child development and to study how parental beliefs and ideas about childrearing impact on infants' allocation of time to sleeping and waking states at the University of Leiden in Leiden, The Netherlands.

**Fred W. Vondracek**, professor of human development and professor-in-charge of the Undergraduate Internship Program, to conduct research on a developmental-contextual approach to life-span career development by incorporating key concepts from Motivational Systems Theory and to collaborate with an international network of researchers who conduct related empirical research at Friedrich Schiller University in Jena, Germany.

## College of the Liberal Arts

**Henry S. Albinski**, professor of political science and Australian and New Zealand studies and director of the Australia-New Zealand Studies Center, to conduct research on how the State of West Australia engages in extra-national activities bearing on national external priorities at The Australian National University and the Curtin University of Technology in Perth.

# Leaves

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Michael H. Bernhard, associate professor of political science, to conduct research for a book on the democratic consolidation in the Weimar Republic, the interwar Polish Republic, Postwar Germany, and the recent German unification.

Christine Clark-Evans, associate professor of French and women's studies, to conduct research for a monograph on completed and on-going studies in eighteenth-century French literature and philosophy at Paris and Montpellier, France.

Deborah Clarke, associate professor of English and women's studies, to conduct research on a book that examines the ways in which contemporary women writers from a wide range of ethnic backgrounds revise the presentation of the house.

Daniel W. Conway, associate professor of philosophy, to complete a book-length manuscript on Friedrich Nietzsche's critique of modernity at the Nietzsche-Archiv in Weimar, Germany.

Keith A. Crnic, professor of psychology, to develop a preventative protocol for young children's mental health at the University of California, Los Angeles.

Gordon F. De Jong, distinguished professor of sociology, to analyze how human values affect migration decisions of rural workers in a developing country at Mahidol University in Thailand.

Mary DeJong, associate professor of English and women's studies (Penn State Altoona Campus), to complete a book-length manuscript on the significance of hymns and hymn-singing in nineteenth-century America.

Robert C. S. Downs, professor of English, to complete a collection of short stories, all dealing with the theme of death, at Cape May, NJ.

Glenn Firebaugh, professor of sociology, to conduct a nationwide survey in Romania on democratization and market values, and to analyze the data from the survey at the University of Bucharest.

Gary W. Gallagher, professor of American history and head of the Department of History, to complete a biography of Juba A. Early (1816-194), a prominent Virginia soldier and writer whose career offers rich potential to examine main currents of nineteenth-century southern history.

Thomas A. Hale, professor of African, French, and comparative literature, to write a comparative study of epics about nineteenth-century Islamic heroes in West Africa with a colleague from the University of Dakar in West Africa.

Richard C. Harmsworth, associate professor of economics (Penn State Worthington Scranton Campus), to investigate and draft a book manuscript on the investment strategies which led to the collapse of the Soviet State in 1991, at libraries in Washington,

D.C. and New York and at the Russian Research Center in Cambridge, Mass.

Carol F. Kessler, professor of English, American studies, and women's studies (Penn State Delaware County Campus), to teach in the newly-initiated degree program in American Studies at Safarik University in Presov, Slovakia.

Alan E. Knight, professor of French, to collect and analyze the numerous early references to theater and spectacle found in the archives and libraries of the City of Lille in France, in order to demonstrate the vital role that drama played in the social, religious, and political life of northern France and the Burgundian Netherlands.

Gary N. Knoppers, associate professor of religious studies, to research and write a commentary for the *Anchor Bible* that establishes unrecognized ties between the historical literatures of ancient Greece, early Judaism, and ancient Mesopotamia at Cambridge University in England.

Laura L. Knoppers, associate professor of English, to conduct research for a book on seventeenth-century representations of Oliver Cromwell at various libraries in England.

Jeanne E. Kruchalis, associate professor of English (Penn State New Kensington Campus), to complete a book on medieval literary manuscript written, not in the usual book (codex) format, but on rolls.

Lynn S. Liben, professor and head of the Department of Psychology, to prepare a report on the research project, "Gender and Geography," and to explore the development of intervention programs to address the current imbalance of gender differences as they apply to success in the National Geography Bee at the National Geographic Society in Washington, D.C.

Alphonso F. Lingis, professor of philosophy, to conduct research and complete two books on the philosophy of science, epistemology, and continental thought at the University of Paris, The Bibliothèque Nationale, and the University of Kyoto.

Kathleen L. Ludwick, associate professor of history (Penn State Allentown Campus), to write a history of the Presbyterian mission on Hainan Island, China, which was typical of protestant missions in China in the nineteenth and twentieth centuries.

Ian Marshall, associate professor of English (Penn State Altoona Campus), to pursue a critical study of literary works set along the Appalachian Trail, applying ecologically-informed theoretical approaches and incorporating first-person descriptions at relevant sites in the Appalachian Mountains.

William B. McCarthy, professor of English (Penn State Dubois Campus), to write a comprehensive anthology of American folk tales that presents the storytellers, their

regional or ethnic culture, and the stories in a format true to the orality of traditional performance.

Linda P. Miller, professor of English (Penn State Osgood Campus), to complete the first draft of a book on the American expatriate artists in France during the 1920s.

David J. Myers, associate professor of political science, to complete a book-length manuscript that examines the urban landscape in Caracas, Venezuela.

Mary H. Preuss, associate professor of Spanish (Penn State McKeesport Campus), to pursue study of the oral literature of several Mayan language groups and to write a book on the prevalence and importance of certain myths across Mayan culture at libraries in Mexico and the University of Pittsburgh.

Ping Wang, associate professor of economics, to examine the determinants of hyperinflation by using a natural experiment which occurred between mainland China and Taiwan.

Nan E. Woodruff, associate professor of history, to complete a manuscript that examines the Arkansas and Mississippi plantation society during the mid-twentieth century at the Research Triangle in North Carolina.

Michael W. Wolfe, associate professor of history (Penn State Altoona Campus), to write a book-length study of war and early modern French society, focusing on the impact which urban fortifications had on several representative cities.

Pau Youngquist, associate professor of English, to complete a book on the historical analysis of melancholia and depression in nineteenth-century culture at the Wellcome Institute Library for the History of Medicine in London, England.

## College of Medicine

Anita K. Hopper, professor of biochemistry and molecular biology, to conduct research on RNA processing and development in the model eukaryotic system, *C. elegans*, at the Fred Hutchinson Cancer Research Center in Seattle, WA.

James E. Hopper, professor of biochemistry and molecular biology, to study phosphorylation signaling in a mammalian signal transduction pathway leading to altered gene expression at the Fred Hutchinson Cancer Research Center in Seattle, WA.

Ralph Norgren, professor of behavioral science, to conduct research on the neural basis of biological motivation using salt appetite as a model at the College of France.

George W. Rung, associate professor of anesthesia, to study whether local anesthesia, such as Novocaine, can prevent automatic bodily responses to injury, some of which may be counterproductive and harmful, and thereby improve postoperative comfort and recuperation at Hvidovre Hospital in Copenhagen, Denmark.

Jill P. Smith, associate professor of medicine, to study new molecular biology techniques which will be used to characterize and clone the CCK-like growth receptor in human gastrointestinal cancers.

Thomas C. Vary, associate professor of cellular and molecular physiology, to study the role of growth-promoting hormones in modulating skeletal muscle protein synthesis during sepsis at the Laboratoire d'Etude du Métabolisme Azoté in France.

## Eberly College of Science

Douglas Arnold, professor of mathematics, to conduct research and participate in the year-long program on material science and to coauthor a book on plate modelling at the Institute for Mathematics and Its Applications at the University of Minnesota.

Ayoub B. Ayoub, associate professor of mathematics (Penn State Osgood Campus), to conduct research for a source book for mathematics education and to pursue several questions in number theory at Temple University.

Paul F. Baum, distinguished professor of mathematics, to develop the conjecture on the K-theory of group C\*-algebras at the Institut des Hautes Etudes Scientifiques in Bures-sur-Yvette, France.

Robert A. Bernheim, professor of chemistry, to conduct research on molecular spectroscopy and dynamics using the techniques of laser spectroscopy at the Universität Kaiserslautern in Kaiserslautern, Germany, and the Universitäts (GdR) Studi di Siena in Siena, Italy.

Maria-Carmé Calderer, professor of mathematics, to conduct research on liquid crystals at the Institute for Mathematics and Its Applications at the University of Minnesota, and to develop an instructional program on industrial mathematics.

Frank Deutsch, professor of mathematics, to conduct research on problems of approximation and optimization in Hilbert space at the Centre for Approximation Theory at Texas A&M University, Old Dominion University, and the Centre for Experimental and Computational Mathematics at Simon Fraser University in British Columbia, Canada.

Edward T. Dressler, associate professor of physics (Penn State Osgood Campus), to study the theory of optical filters using the Faraday effect at the Naval Air Warfare Center in Warminster, PA.

Wolfgang E. Ernst, professor of physics, to conduct research on clusters of a few thousand atoms of the lightest elements, hydrogen and helium, at Princeton University.

Edward Formanek, professor of mathematics, to conduct research in group theory at the Centre de Recerca Matemàtica in Barcelona, Spain.

Nigel D. Higson, professor of mathematics, to conduct research in C\*-algebra theory at the University of Colorado.

Thomas J. Jech, professor of mathematics, to



## Leaves

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conduct research in set theory, algebra, and logic at the University of California at Los Angeles, the Université de Caen in Caen, France, and the Charles University in Prague, Czech Republic.

**Jeffrey S. Lannin**, professor of physics, to conduct research on the structure of clusters on surfaces at the Joint Research Center for Atom Technology in Tsukuba, Japan, and Arizona State University.

**John P. Lowe**, professor of chemistry, to increase Penn State's national reputation as a leader in undergraduate chemical education, to interact on a long-term basis with chemical educators beyond Penn State, to acquire experience in a project-oriented introductory laboratory program, and to continue production of teaching materials now used at Penn State and ultimately intended for a text, at Brandeis University and the University of California at Berkeley.

**Lloyd J. McElroy**, assistant professor of microbiology (Penn State Beaver Campus), to develop immunotherapy strategies for cancer treatment using monoclonal antibody technology to enhance natural killer cells that inhibit tumor growth at the University of Pittsburgh.

**Amrit Regev**, professor of mathematics, to conduct research in ring theory at the Weizmann Institute of Science in Israel.

**James L. Rosenberger**, professor and head of the Department of Statistics, to study innovative pedagogical approaches for incorporating computer-based instruction into the statistics curriculum, and to conduct research in the design of experiments for quality engineering at the University of Leeds in Leeds, the United Kingdom.

**Donald C. Rung**, professor of mathematics, to conduct research in complex analysis with an application of calculus reform activities, and to develop materials for use at Penn State, at the University of Michigan, Ohio State University, and Kent State University.

**Abdul M. Siddiqui**, associate professor of mathematics (Penn State York Campus), to pursue study of the motion of certain bacteria, particularly from the view of the underlying fluid mechanics at the Khan Institute of Engineering Sciences and Technology in Pakistan and at Johns Hopkins University.

**John Tierney**, assistant professor of chemistry (Penn State Delaware County Campus), to conduct research and write on the synthesis of complexes containing thiazolidin-4-one ligands which have exhibited substantial biological activity against the causative agent in Dutch Elm disease.

**Jinchao Xu**, associate professor of mathematics, to conduct research in numerical analysis at the University of California at San Diego and Los Angeles.

**Xiao-Kang Yu**, assistant professor of mathematics (Penn State Altoona Campus), to expand research in reverse mathematics into branches of ordinary mathematics such as combinatorics, symbolic dynamics, and Ergodic theory at Beijing Normal University and other locations in the Far East.

Gift offers world of possibilities

# Behrend station making its mark

In 1988, opportunity knocked loudly on the door of Penn State Erie, The Behrend College. A Pittsburgh-based broadcast group, the Burchbach Corporation, was thinking of donating a 1,000-watt AM radio station valued at \$250,000. Was Penn State-Behrend interested? Recognizing the tremendous potential of such a gift, the college signed on for the adventure — an adventure that has made it one of less than a dozen colleges nationwide to operate a commercial radio station.

WPSE-AM 1450 has been broadcasting to the Erie community since May 1989 and those involved say its success is largely due to strong teamwork. Committed to a format of business news and sports, the station competes head-to-head with nine FM stations and three other AM stations in the Erie market. It has had exclusive radio rights to broadcast the Super Bowl, the World Series, and Monday Night Football, not to mention Penn State sports.

"When we accepted the station, we were legally bound to be on the air within a matter of a few months," Chris Reber, dean of student affairs, said. "That meant we were building, hiring, programming and working out the legalities under a very tight deadline. It was an exciting time."

Not only was it exciting, but the offer came at an opportune time. When Burchbach approached Behrend, the college was in the midst of discussing options for upgrading the simple carrier current system on campus.

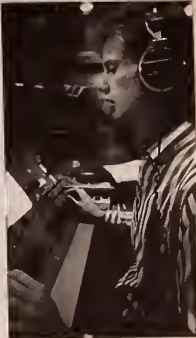
The college was also renovating the Reed Union Building, the perfect locale for the station.

"It was one of those situations where everything came together at the right time," John M. Lilley, provost and dean of the college, said. "We were able to design the facility the correct way from day one."

With the help of industry insiders like Marlowe Froke, former general manager of WPSX-TV at University Park, and Myron Jones, owner of JET Broadcasting and the dean of broadcasters in the Erie area, legal issues were handled and an advisory committee was formed to help get things off the ground quickly and professionally.

It was Mr. Jones who urged the advisory group to maintain the commercial status of the station's license. At his suggestion, the station became an affiliate of CBS radio, which gave it instant credibility. In addition, the commercial license offers a world of possibilities to the small station, which is staffed each semester by Station Manager Fred Anzivino and his radio practicum class, interns and volunteers.

As a course instructor, Mr. Anzivino has the pleasure of observing and identifying students who have broadcasting "in their blood." But furnishing an understanding of the broadcasting profession to students is not the primary goal of WPSE. The overall mission of the station is "to provide information to the community in forms that are generally



On the air

Student volunteers, like this one, keep the Behrend station going.

unavailable through other broadcast media sources.

"Sports is one of the areas where we really shine," Mr. Reber, a loyal WPSE fan, said. "As the CBS affiliate, we carry what is considered the finest in radio sports programming today."

With a lively call-in show, "The Point After," hosted by three avid student football fans, each supporting their favorite team within the tri-state area: the Cleveland Browns, the Buffalo Bills, and the Pittsburgh Steelers, the mix gets interesting.

The schedule also includes nationally syndicated programs on the Business Radio Network and local news and coverage of college events, to name a few.

"It's a lot like CNN," Mr. Reber said. "I listen to it in the car. It's quality programming on the go."

Those working behind the scenes have come to make it look easy, never losing sight of the fact that radio is a highly competitive business. Add to that the task of seamlessly weaving together programming that comes from as many as a dozen different satellite and local sources and the job becomes even more daunting. But Mr. Anzivino and his troops consistently pull it off, looking toward their next goal of complete financial independence.

"We have never fully tested the marketing waters," Mr. Reber said. "But our demographics, which include upscale professionals, are an excellent asset. We've had three experts, all of whom are very familiar with the Erie market, tell us that complete self-support is a realistic goal for WPSE."



Fred Anzivino (right), WPSE station manager, gives advice to a student.

## Private Giving

# Family pledges \$1.3 million to Penn State Wilkes-Barre Campus

The Penn State Wilkes-Barre Campus has received a gift of \$1.3 million from the Abram Nesbitt III family of Lake Catalpa Tree Farm, Dallas, Pa.

The Nesbitts have indicated their gift is to create a future endowment fund that will support the campus's surveying, engineering program, biomedical equipment technology degree program and the campus library.

Abram Nesbitt, a member of one of the region's most prominent families, has served on the Wilkes-Barre Campus Advisory Board for almost 30 years. He and his wife, Caroline, have supported the campus generously in the past, including providing a laboratory in 1988 for the Center for Technology building. The Nesbitts said they feel strongly about supporting educational programs that will prepare men and women for careers that are needed in Northeast Pennsylvania.

"We want to encourage young people to stay in this area," Abram Nesbitt said. "The love of libraries is a family trait. My father and my grandfather were great readers." He added that his grandfather, the original Abram Nesbitt, also was a surveyor.

The Nesbitt family's commitment to the region is well known, and many

institutions over the years have benefited from their philanthropy.

"We hope our granddaughter,

**The family has indicated the gift is to create a future endowment fund to support the surveying engineering program, biomedical equipment technology degree program and the library.**

Sara (age 7) and people of her generation will continue to find this area a good place to live and work," said Caroline Nesbitt. "Some people are saying this valley has nothing to offer, but we don't believe that. We want to show that you don't have to go to New York or Florida to find the best things in life."

Abram Nesbitt said that his experience as an advisory board member has shown him how the campus assists young men and women in gaining an education of high quality. The Nesbitts' gift will strengthen the

ability of the Wilkes-Barre Campus to offer scholarships and provide modern equipment to the engineering programs, and help the library become technologically superior—all requirements in coming decades.

Because his family has lived in the Back Mountain area of the Wyoming Valley, Abram Nesbitt has a special regard for the Wilkes-Barre Campus, which is not far from the family properties.

The Nesbitts' is the largest single gift ever received by the campus. It may be used for such purposes as research, faculty and student scholarly travel, equipment, student scholarships, and lectureships for the program it supports.

Abram Nesbitt is past president of the board of Nesbitt Memorial Hospital and also served on the board of First Eastern Bank. He is owner/manager of Lake Catalpa Tree Farm.

The Nesbitts' daughter, Geraldine Nesbitt, has attended the Wilkes-Barre Campus and her daughter, Sara, participates in campus youth programs.

## Eberly gift funds Fayette student center

Plans currently are being initiated for the establishment of a student/center services facility at the Penn State Fayette Campus.

The J. Lewis Williams Building will be renovated to accommodate the 3,780 square foot center which is being funded by a grant award from The Eberly Foundation. The \$117,440 project will provide a state-of-the-art student learning center, a meeting and information area, three large study areas, and general student conference facilities. Additionally, the admissions area will be expanded.

"We have developed a plan to create a gathering place for the entire campus community from which they can enter the learning skills and meet in a relaxed environment," Wayne Port, chairman of the Penn State Fayette Campus Advisory Board, said.

"The facility also will complement other recently completed renovation to the Williams building which include the multi-media classroom facilities and the cafeteria. All of us at the Penn State Fayette Campus are grateful for the continued support of the Eberly family and The Eberly Foundation. Without their generous support over the years, the campus would not be able to provide the services which are now offered nor would we have been able to improve existing services."

The focal point of the plan is to create a permanent, high-tech learning assistance center that could be utilized by advanced as well as non-traditional and underprepared scholars. Students will have ready access to individual and group tutoring in math, science, and English as well as the opportunity to become involved in computer and faculty-assisted learning. Moreover, the consolidation of student services will provide a one-stop processing center.

## State College couple donates two-story structure

State College businessman Charles Rider Sr. and his wife, Jeanne, have given the Rose Building at 112 S. Burrows St. to Penn State. The two-story, red-brick, 6,888 square-foot building houses the office of two University departments. It has a current market value of \$415,000.

A native of Bellefonte, Charles Rider is president of Rider Real Estate in State College, and is the retired chairman and president of Rider Auto Inc. of State College.

The Riders are among the largest developers in State College, including among their holdings the five-story Rider Building at South Burrows

Street and Calder Way next to the Rose Building. The couple started the Rider Auto business in Bellefonte in 1948 and moved it to State College in 1960. They were joined in business by their son, Charles Rider II, in 1973.

The Rose Building was built in 1935 and for many years was the location of the Koch Funeral Home. Currently housed there is Lion Line, the University's telemarketing center, from which student volunteer fund raisers make more than 200,000 telephone calls per year to alumni, parents and friends. In addition, the Science, Engineering and Research Communications Group of the

Department of Public Information is located in the building. The office identifies significant faculty research and expertise for promotion to national media.

The Riders are long-time benefactors to Penn State. Mr. Rider is a member of the National Development Council, Penn State's highest volunteer fundraising advisory body. He and Mrs. Rider also established endowments to support students and faculty in The Smell College of Business Administration and the College of Agricultural Sciences, and supported the campaign to build the Bryce Jordan Center.



**MOC**  
Microcomputer  
Order Center

### MOC financing

University departments can now lease/finance hardware sold through the Microcomputer Order Center. Order total must be \$5,000 or greater. Software should comprise no more than 5 percent of the

order total. At the end of the lease term, equipment is bought out for \$1.

For information on the procedure to follow, please call the Microcomputer Order Center at (814) 865-2100 or email moc@psuvm.psu.edu.

### MOC online

Information about the Microcomputer Order Center, computer products and prices, sales, special events and announcements can be found on-line on the Penn State Gopher system under "Computing" in "Penn State Information" and on Netnews under psu.moc.

For your convenience, MOC postings can also be sent directly to your e-mail account. To subscribe to the MOC listserv, send an e-mail message with: subscribe-l-moc Your Real Name in the body of the message. Ignore the subject line.

To unsubscribe, send a message with: signoff-l-moc in the body of the message. To get more help, send a message with: help in the body of the message.

The MOC can also sign up your e-mail account to the listserv. Just send an e-mail note to moc@psuvm.psu.edu for all of the latest news about the MOC.

MOC general information  
Location: 12 Willard Building, University Park.  
Phone: (814) 865-2100 or (800) 251-9281.  
FAX: (814) 863-7514  
E-mail: moc@psuvm.psu.edu

Hours:  
MOC Sales & Systems Evaluation Lab  
Monday-Friday, 8:30 a.m.-7 p.m.  
Saturday, 10 a.m.-2 p.m.  
MOC Pick-Up Center  
Monday-Friday, 8:30 a.m.-4:30 p.m.



# ATHLETICS

A regular column provided by Intercollegiate Athletics

## Championship Parade

The 1994 Penn State football team will be saluted on Saturday, Feb. 4, with a Championship Parade in downtown State College beginning at 10 a.m. The line of march will be the traditional Homecoming Parade route.

Penn State's 38-20 Rose Bowl victory closed out a perfect season for the Nittany Lions, who finished No. 2 in the Associated Press media vote and CNN/USA TODAY coaches poll but No. 1 in the New York Times and Sagarin computer rankings.

With the win, Joe Paterno became the most successful post season coach in NCAA history. It was his 16th Bowl victory, one more than Bear Bryant. He also became the first coach to ever win the four traditional New Year's Day bowl games—the Rose (1956), Orange (1969-70-75), Cotton (1972-75) and Sugar (1983).

The Nittany Lions' offense broke 10 school records and the Big Ten mark for average points per game. Penn State players also set 14 individual school records, two Big Ten standards, and three post season marks.

Kerry Collins, winner of the Maxwell Award and the Davey O'Brien National Quarterback Award, was one of five Penn State players to be named a first-team All-America. He finished fourth in the Heisman Trophy vote.

Tailback Kijana Carter was the Heisman runner-up and, like Collins, a consensus All-America pick. He had the best average-per-carry in the nation, narrowly missing the Penn State record for rushing yards in a season. He announced on Jan. 9 that he would waive his final season of college eligibility to enter the 1995 NFL Draft.

Other first-team All-America selections were: tight end Kyle Brady, wide receiver Bobby Engram and offensive guard Jeff Hartings. Engram, the first Penn State player to gain 1,000 yards receiving in a season, also won the Biletnikoff Award as the outstanding receiver in the nation.

## Sears Directors' Cup

For the second consecutive year, Penn State is poised atop the Sears Directors' Cup all sports standings at the conclusion of the fall season. The Nittany Lions and Lady Lions have 346.5 points, well ahead of Stanford which is next with 303.5. The Directors' Cup all-sports competition is cosponsored by the National Association of Collegiate Directors of Athletics and USA Today. It includes 10 core sports for men and women, plus the highest finish in a wild card sport for each. In 1993-94, Penn State led the fall competition with 344 points and finished in the No. 5 position in the final summary at the conclusion of the spring athletic season.

## Onkotz honored

Two-time All-America linebacker Dennis Onkotz, a defensive mainstay of Penn State's undefeated 1968-69 football teams, will be inducted into the National Football Foundation's College Hall of Fame on Dec. 12. He is the twelfth former Nittany Lion inductee to be elected to the Hall. John Cappelletti, the 1973 Heisman Trophy winner, was the most recent Penn State inductee in 1993. "We've had a tradition of great linebackers at Penn State," Coach Joe Paterno said. "Dennis Onkotz was someone who was instrumental in establishing that tradition and someone whose accomplishments are every bit as significant today as they were 25 years ago."

## Postgraduate scholarship.

Nittany Lion defensive standout Tony Pittman, son of former Nittany Lion All-America Charlie Pittman, has been selected as the recipient of an NCAA postgraduate scholarship. The \$5,000 grant for graduate studies is just the latest in a series of academic honors for Pittman, who carries a 3.57 GPA in Industrial Engineering.



## Oswald lecturer

Jonathan Steinberg (right), the author and scholar who presented Penn State's Oswald Lecture this month, shakes hands with the man it was all named in honor of—John Oswald (left), the University's 13th president from 1970 to 1983. Looking on is current President Joab Thomas.

Photo: Greg Gleico

# BOOK SHELF

Laura L. Knoppers, associate professor of English, is the author of *Historicizing Milton: Spectacle, Power, and Poetry in Restoration England* (University of Georgia Press).

The study challenges the canonical view of Milton as a relic in the Restoration—either belated humanist or belated Puritan—by showing how Milton's major poems respond specifically and powerfully to royalist spectacles of the 1660s and 1670s.

Dr. Knoppers traces such public spectacles as the execution of the regicides, the exhumation of Oliver Cromwell, the punishment of fifth monarchists, and the coronation triumph of Charles II. Drawing on a range of sources including letters, diaries, newsbooks, sermons, royal proclamations, and parliamentary records, she reconstructs the discourses that interpreted and contested these spectacles of power and punishment.

Milton's poems are part of this oppositional discourse. Dr. Knoppers argues, and his revisions of such key terms as martyrdom, treason, joy, glory, and conquest boldly and defiantly challenge the spectacles by which the monarchy constituted and conveyed its power. Milton's paradoxically iconoclastic art not only exposes but redefines and appropriates spectacles of state.

Marion S. Stabb, professor emeritus of Spanish, is the author of *The Dissenting Voice: The New Essay of Spanish America, 1960-1985*, published by the University of Texas Press.

Political, social, and aesthetic change marked

Latin American society between 1960 and 1985, and Dr. Stabb explores how these changes made their way into the essays of twenty-six Spanish American intellectuals.

Dr. Stabb posits that dissent characterizes the work of these essayists: dissent against ideology, against simplistic notions of technological progress, against urban values, and even against the direct linear expository style of the essay itself. He draws examples from major figures such as Vargas Llosa, Fuentes, and Cortázar, as well as lesser-known writers.

The book overturns many conventional assumptions about Latin American intellectuals and highlights the work of authors famous primarily for novels and short stories.

Fred W. Vondracek, professor of human development, and Sherry Corneal, assistant professor of human development and family studies, are authors of *Strategies for Resolving Individual and Family Problems*.

The book covers 28 of today's most widely used intervention strategies—from psychoanalysis to music therapy. It is intended to help counselors and other professionals maintain an understanding of basic concepts and practices in their field and stay abreast of new developments.

Among the strategies covered are psychoanalytic approaches pioneered by Freud, Jung, and Adler; behaviorist approaches such as systematic desensitization and aversion therapy; cognitive approaches (for example, reality therapy); family therapy approaches, including family sculpting and relationship enhancement; expressive approaches such as psychodrama and art therapy; biofeedback and hypnosis; drug therapies, and career counseling. The book examines the theoretical foundations and the "how to" of each approach.

The book is published by Brooks/Cole Publishing Company.

## OBITUARIES

Neil A. McNall, professor emeritus of American history, died Dec. 9. He was 81.

He received a bachelor of science degree in education with a minor in history and a master of arts degree in history, both from the University of Vermont. He earned his doctorate in American history from Cornell University.

Dr. McNall taught for three years at Westminster College in New Wilmington and for two years at New York College for Teachers, Albany, N.Y. He taught at Penn State for 32 years until his retirement in 1979.

He inaugurated the study of agricultural and frontier history. For more than 25 years, he served as instructor of the History 20 correspondence course offered through Penn State Continuing Education.

Among his publications is *An Agricultural History of Genesee Valley, 1790-1860*, which received special commendation from the Albert J. Beveridge Memorial Fund in 1952.

Frederick C. Wedler, professor of biochemistry, died Dec. 1 at the age of 53.

He received a bachelor of science degree in chemistry from the University of North Carolina at Chapel Hill in 1963 and a Ph.D. in chemistry/biochemistry from Northwestern University in 1968. From 1963 to 1964, he was a Fulbright Exchange Fellow in Zurich, Switzerland.

Dr. Wedler served as a post-doctoral fellow at the University of California at Los Angeles from 1968 to 1970 and as a National Institute of Health pre-doctoral fellow at Northwestern University. He was an associate professor of chemistry at the Rensselaer Polytechnic Institute in Troy, N.Y., from 1970 to 1978, when he joined the University faculty.

A Moorehead Scholar, he conducted research in the fields of cancer and neurochemistry. He was awarded a Faculty Research Award from the American Cancer Society during 1980 to 1984 and was one of only six nationally to receive the award in 1980.

Dr. Wedler was the author of more than 80 articles published in scientific journals and co-edited a book on enzyme function. He recently was awarded a patent for a method of removing deposits from contact lenses.

Memorial contributions may be made to the Frederick C. Wedler Memorial Fund, Department of Biochemistry and Molecular Biology, 108 Althouse Lab, University Park, PA 16802.

John Anuskiewicz, maintenance mechanic, Penn State New Kensington Campus, from May 24, 1971, until his retirement May 30, 1981; died Dec. 20 at the age of 79.

## Faculty/Staff Alerts

## Employee Assistance Program

When life becomes hard, it may be difficult to keep plugging away, trying to live in a meaningful and enjoyable way. Counseling can help sort out problems and give you the energy to lace them head on. Penn State's EAP can provide confidential, professional consultation to help you start moving ahead with your life.

The EAP may be contacted 24-hours a day by calling 1-800-858-2778. Employees at The Hershey Medical Center should call 1-800-343-5080.

To help faculty and staff learn more about the EAP and how it may benefit them, the Office of Human Resources will be offering the following informational sessions. All faculty and staff are encouraged to attend. Please register for one of the sessions by contacting Jan Hawbaker at 865-3085 or JQH5@psuadmin, or complete a registration form in the HRDC course catalog or the Healthy Happenings brochure. Course descriptions and additional offerings are listed in those publications as well.

Understanding Your EAP	Course Code: WEL 048
Sec. 1 Feb. 6 3:30-4:45 p.m.	118 Ag Sciences Bldg
Sec. 2 Feb. 6 4:45-5:45 p.m.	118 Ag Sciences Bldg
Sec. 3 Feb. 7 10:15-11 a.m.	118 Ag Sciences Bldg
Sec. 4 Feb. 7 11:15 a.m.-noon	118 Ag Sciences Bldg
Sec. 5 Feb. 7 1:15-2 p.m.	125 Reber Bldg
Sec. 6 Feb. 7 2:15-3 p.m.	125 Reber Bldg
Sec. 7 Feb. 7 3:15-4 p.m.	125 Reber Bldg

EAP: The Supervisor's Role  
Sec. 1 Feb. 6 1:15-2:45 p.m.  
Sec. 2 Feb. 7 8:30-10 a.m.

Course Code: LDR 017  
118 Ag Sciences Bldg  
118 Ag Sciences Bldg

## Conflict of interest

Disclosure of potential conflict of interest by employees of the University: Employees of the University shall exercise the utmost good faith in all transactions touching upon their duties to the University and its property. In their dealings with and on behalf of the University, they shall be held to a strict rule of honesty and fair dealings between themselves and the University.

They shall not use their positions, or knowledge gained therefrom, in such a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees shall disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

## Applications due

Applications for the Institute for the Arts and Humanities Studies Faculty Research Fellowships for which research or creative work will be accomplished from July through December are due at Hilsing Cottage on the University Park Campus by 5 p.m. on Monday, Feb. 6. For more information or a copy of the Research Fellowship guideline, call the institute at 865-0495.

## University center captures \$400,000 contract

The Center for Electronic Design, Communication and Computing (CEDCC) has won a \$400,000 contract to assist the Computer Systems Development Corp. (CSDC) of Chantilly, Va., in enhancing the Army's electronic re-engineering and manufacturing capabilities at Tobyhanna Army Depot in northeastern Pennsylvania.

Paul Hulina, CEDCC director, said that, as part of the contract, the CEDCC will also develop plans for a Technology Transfer Center, located at Penn State, to extend the practices and techniques developed in cooperation with CSDC and Tobyhanna to small and medium-sized companies. He expects to have a pilot center in operation in about 15 months. In parallel with the Technology Transfer Center, Applied Laboratory (ARL) engineers are working with CEDCC personnel on both the re-engineering and Technology Transfer Center efforts. ARL personnel will focus on re-engineering cable harness assemblies and defining the construction of a demonstration factory that will be part of the Technology Transfer Center.

Current plans also call for a teaching factory at Tobyhanna Army Depot to train depot and industry personnel. Penn State's campus network and other Pennsylvania two-year colleges will develop local site training curricula.

"Ideally, these local sites will become mini-centers for technology transfer with the idea of moving more toward the concept of a virtual Technology Transfer Center," Dr. Hulina said.

The goal of the effort is to team industry, academia and government in research, education and training to increase the productivity at the Tobyhanna facility and at small and medium sized companies via Flexible Computer Integrated Manufacturing techniques. The Tobyhanna facility maintains, overhauls, manufactures and re-engineers electronic circuit boards for Army applications. In re-engineering, state-of-the-art components are selected to replace outmoded components.

## Promotions

## Staff

Branda K. Beers, project and data specialist at The Hershey Medical Center. Carolyn J. Bender, supervisor, material services, in Continuing and Distance Education.

Christopher Blumenstein, staff assistant IV at The Hershey Medical Center.

James R. Carroll, manager, Media and Instructional Support Center, at Penn State Erie, The Behrend College.

Dana D. Chestney, staff assistant V at Penn State Altoona.

Donna L. Doerr, staff assistant VI in College of Education.

Lisa M. Elden, staff assistant VI in Applied Research Lab.

Robert A. Falco, senior microcomputer systems consultant in Computer

and Information Systems-Center for Academic Computing.

Janice A. Finch, assistant nursing manager at The Hershey Medical Center.

Wendy W. Franklin, staff assistant VIII in Applied Research Lab.

Terri A. Gummo, staff assistant IV in Eberly College of Science.

Deborah L. Hayes, staff assistant V at Penn State Erie, The Behrend College.

Carol A. Howe, staff assistant VI in Office of Physical Plant.

Virginia B. Imboden, assistant to senior vice president for Research and Graduate Education.

Bessie J. Johnstonbaugh, staff assistant VI in Research and Graduate Education.

## Technical Service

Douglas S. Keith, storeroom worker in Housing and Food Services.

Lloyd H. Loose, fuel and car wash attendant in Business Services.

Neal F. Proctor, central control system operator in Office of Physical Plant.

William T. Reed, general helper, repairer, in Housing and Food Services.

Judy M. Risser, utility worker at The Hershey Medical Center.

Cathy A. Sager, courier/maintenance worker in Business Services.

William W. Stoner, maintenance worker, Area Landscape, in Office of Physical Plant.

Wanda F. Taylor, patient service aide at The Hershey Medical Center.



## Rural America feels pinch of global economy

*Lack of Planning Leaves Rural Areas Underprepared for International Markets*

**R**ural America will have to spend at least the rest of the 1990s reorganizing its work force and economic habits because shortsighted policies have left it drastically underprepared to compete in international trade markets opened by NAFTA and GATT.

Experts from Penn State and the University of Texas who coordinated a national conference on the issue have now released a list of 15 recommendations for developing public policy to help meet this challenge.

"Although rural towns and regions will have many opportunities to produce goods and services for international markets, in most cases they are neither prepared nor being prepared to compete on a worldwide basis," Amy K. Glasmeier, associate professor of geography and regional planning in the College of Earth and Mineral Sciences, said.

"This is unfortunate because, just to keep from falling further behind in the future, many of today's already declining or stagnant rural manufacturing regions will have little choice but to participate in international trade."

To do this successfully, great strides must be made through the rest of this century in terms of worker training, infrastructure improvements, and fostering of cooperation between regions that once competed only against one another, Dr. Glasmeier noted.

Even then, she said, rural America will suffer more from globalization than urban and suburban areas because of its emphasis on primarily low-skill, low-productivity manufacturing jobs. In most international markets, she said, the trend is toward workers with greater levels of education and technical skills who nevertheless earn lower wages than comparable U.S. employees—a combination of trends that is highly attractive to international investors.

To address such concerns, Dr. Glasmeier and colleague Michael E. Conroy, associate chairman of the University of Texas at Austin's Department of Economics, coordinated the "Global Squeeze on Rural America" conference in October 1993 at the Aspen Institute's Wye Woods facility. Partial funding for the program, attended by more than 30 economists, international affairs and rural development experts, came from the Ford Foundation's Rural Poverty and Resources Program.

A report on the conference is now available through Penn State's Institute for Policy Research and Evaluation.

In the report, Drs. Glasmeier and Conroy note that despite major advances in population and employ-

ment growth in the 1970s, rural America was hit hard in the 1980s in the areas where it had historically been a major contributor to the nation's international trade—agriculture, mining and manufacturing production. Furthermore, the growth of advanced business services was a trend that side-stepped rural areas in that same time frame.

"Today, rural poverty and unemployment rates are above urban rates and income growth has fallen seven percentage points below rates for urban areas," Dr. Conroy, who also directs his university's Latin American Economic Studies Program, said.

"Rural workers also experience a 30 percent lower rate of return on their education."

These are just some of the reasons the researchers say that rural America's traditional comparative advantages—cheap labor, a lax regulatory environment and pro-business culture—are no longer enough to help it succeed on a worldwide level. Other reasons are that many of America's international competitors have lower wages and higher skills, and offer more lucrative investment incentives.

With such thoughts in mind, policy recommendations identified by the conference attendees include the following (which are expanded upon in the report)—beginning with the most general national concerns and ending with the most local concerns:

- Recognize that changes from globalization will be profound and nationwide.
- Understand that the regional impacts of international trade policies will vary widely.
- Review the effects of federal policies on global competitiveness to ensure that these policies do not encourage the exportation of capital and production.
- Continuously re-evaluate the conditions under which access to our markets is allowed rather than unthinkingly continuing tariff-free, barrier-free access in all cases to all competitors.
- Discourage trade that implements the "low road" of seeking ever lower costs of production through shoddy employment and financial practices.
- Develop a new national information system on global competitiveness that will be accessible by firms of all sizes.
- Encourage the formation of new institutions to enhance productivity through cutting-edge management techniques.
- Stimulate the interdisciplinary research of industrial practices and of the global state of technology development, as well as of the opportunities for improvements in production technology which can best enhance our national productivity.
- Redesign our national training systems, since current federal training pro-



Amy K. Glasmeier, associate professor of geography and regional planning, takes a closer look at rural America.

Photo: Greg Grieco

grams are highly fragmented and fail to deliver the needed training resources and competencies for a high-skill future.

- Train to benchmark standards that explicitly benefit workers and not just specific production processes or product lines.
- Re-evaluate the strengths and weaknesses of the local economy in a truly honest manner and increase rural America's access to information about the longevity and problems of the industries it tries to attract.
- Redesign state and local economic development policies to actively discourage state and local governments from destructive competition against one another in attracting and retaining industries.
- Encourage regional cooperation on new and retained industrial locations through the creation of multi-county compacts to share tax revenues.
- Involve local community groups in

development decisions, in order to create the best possible community climate for economic growth.

- Integrate comprehensive local assistance efforts to link technology transfer with training, workplace enhancement and financing.
- The ability of our rural regions and small towns to take advantage of globalization hinges on local capacity to change effectively in a dynamic environment," Dr. Glasmeier said.
- Federal and state policy has an important role to play in positioning the nation's communities advantageously in light of global trends.

"The emerging era requires new policy, new social and environmental compacts, and a new vision of the nation's communities in the global economy. This is the best moment for taking up this challenge."

—Gary W. Cramer

## Penn Staters

N.K. Bose, HRB-Systems Professor of electrical engineering, was invited under the United Nations Development Program to serve as an expert in the area of neural networks to several institutes and centers in India. While there, he gave seminars on neural networks and image processing at IIT-New Delhi, IIT-Madras, and the Machine Intelligence Unit of the Indian Statistical Institute in Calcutta.

Frederick Davis, multi-county resource management extension agent for seven counties in the Southeast Region, has earned the designation of accredited financial counselor by the national Association for Financial Counseling and Planning Education. Mr. Davis was the first University and extension educator in the United States and one of nine people to be recognized nationally.

Gordon F. De Jong, Distinguished Professor of sociology and director, graduate program in demography, was an invited participant at a recent European community workshop on "Root Causes of Immigration," held at Eurostat in Luxembourg. The workshop developed a research design for a study of international immigration streams to Europe.

Robert Ginsberg, professor of philosophy at Penn State Delaware County Campus, was among 16 philosophers honored recently by the American Philosophical Association for excellence in teaching.

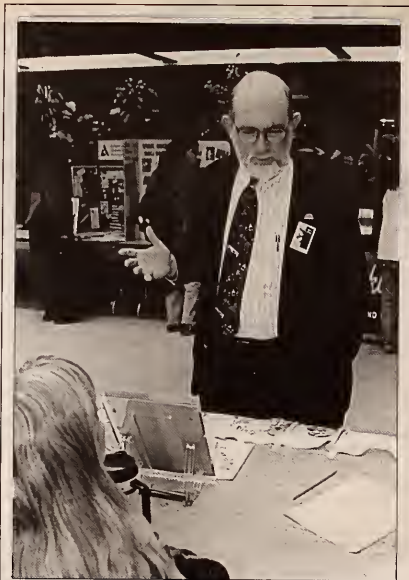
Akhlesh Lakhtakia, associate professor of engineering science and mechanics, has been selected as the 1995 Scottish Amicable Visiting Lecturer at the University of Glasgow, Scotland, during his residence at the university March 6-10. Dr. Lakhtakia will present lectures to the MacLaurin Society, the undergraduate student mathematics society, and to the faculty.

Mercedes N. Lakhtakia, research associate in the Earth System Science Center, College of Earth and Mineral Sciences, will present an invited seminar, titled "The Penn State/NCAR Mesoscale Model: A Small Component in the Study of the Hydrologic Cycle," at the Environmental Change Unit/School of Geography/MSc in Environmental Change and Management, at the University of Oxford in the United Kingdom, in early February. She will then travel to India, where she has been invited to present her work at the National Centre for Medium Range Weather Forecasting, Department of Science & Technology, in New Delhi.

Raymond J. Luebbers, professor of electrical engineering, has been named a Fellow of the Institute of Electrical and Electronics Engineers. The honor, the highest grade of membership in IEEE, recognizes Dr. Luebbers' outstanding contributions to computational electromagnetics.

Toni P. Miles, director of the Center for Special Populations and Health in the College of Health and Human Development, presented the Ernest Everett Just Memorial Lecture at the Howard University Graduate School in Washington. She spoke on "The Black Elderly Twins Study."

Robert E. Newnham, ALCOA Professor of solid state science in the Materials Research Laboratory, has been named the recipient of the 1995 Albert Victor Bleininger Award by the Pittsburgh Section of the American Cancer Society. The award is presented annually for "distinguished achievement in the field of ceramics." In addition, he was an invited speaker at the Congress of Instrumentation held in Cancun, Mexico, where he spoke on "Smart Materials."



**Lending a helping hand**

State College Borough Mayor Bill Welch talks with a student at the Volunteer Fair held in the HUB on the University Park Campus as part of the Martin Luther King Day celebration. The fair, which featured booths manned by volunteers from more than 60 campus and community organizations, provided information on services and outreach activities, and was aimed at attracting more volunteers.

Photo: Greg Grieco

### CARPOOLERS

Would like to carpool with someone from the Phillipsburg area to University Park. Work hours are 8 a.m.-4:30 p.m. Call Anna at 865-2561 or 342-3537 (home).

Frank would like to carpool from Continental Court trailer park in Bellefonte to University Park. Only need ride in mornings between 6 & 7 a.m. Call 3-9636 or 355-5806.

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## PENNSTATE INTERCOM

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
Kathy Norris, staff assistant/calendar

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February 2, 1995

Volume 24, Number 19

## Research rankings put University at No. 1 spot in state

Pennsylvania's four major research universities — Penn State, Penn, Pitt, and Carnegie Mellon — generated a combined total of \$813.4 million in funding for science and engineering research in fiscal 1993, according to the National Science Foundation.

The four universities attracted more than two-thirds of that total — \$554.3 million — through federal grants alone.

The National Science Foundation (NSF) published its list of the top 100 institutions in total research-and-development for 1993 in the Jan. 27 issue of *The Chronicle of Higher Education*.

Total research expenditures for science and engineering include funds generated by federal and state governments, industry, the institutions themselves, and other sources. The NSF excludes research spending in such disciplines as the arts, education, the humanities and law.

Penn State ranked 14th nationally in total research expenditures with \$282.7 million (and 16th in federal R&D funds with \$160.2 million).

Penn ranked 19th in total research expenditures with \$233.8 million (and 14th in federal R&D funds with \$173.6 million).

Pitt ranked 30th in total research expenditures with \$178.6 million (and 19th in federal R&D funds with \$141.8 million).

Carnegie Mellon ranked 55th in total research expenditures, with \$118.3 (and 45th in federal R&D funds with \$78.7 million).

The four schools constitute Pennsylvania's representation in the Association of American Universities, an elective consortium of the 58 top research universities in the United States and Canada.

### AAU Statewide Comparison

Total Research Expenditures  
Engineering and Science  
1993

Penn State	\$282.7*
Penn	\$233.8
Pitt	\$178.6
Carnegie Mellon	\$118.3

\* in millions  
Source: National Science Foundation

### In the still of the night



The clock tower of Old Main on the University Park Campus — one of the most photogenic images at Penn State — takes on an eerie glow at night, as captured by Judy Fedor. Ms. Fedor, a student in the advanced photojournalism class taught by Assistant Professor Jack Laudner, was charged with taking a familiar image and putting her own creative and innovative spin on the tried and true.

## Life sciences committee moves forward with new initiative

In 1993 the University Future Committee identified the life sciences as an important priority for Penn State. As a result, the Life Sciences Study Group was formed. Under the leadership of Professor Peter Cavanagh, this group carried out careful benchmarking studies and wrote a report in 1994 which recommended that Penn State

take steps that are designed to facilitate exciting new research and education opportunities with minimal administrative overhead.

The goal of this new initiative is to advance Penn State into the ranks of the strongest universities in the biological sciences. An important factor in achieving this goal will be growth in program size and quality, where needed, and optimization of the programmatic distribution of the biological sciences faculty and student body. A key ingredient of this new structure will be the Steering Committee. This committee will be responsible for assuring that, within the administrative structure outlined by the Implementation Committee, the scientific content is optimal for enhancing academic excellence in the biological sciences. Strong interactions between University Park and The Hershey Medical Center will be emphasized.

An Interim Steering Committee has been appointed for the period Jan. 1, through June 30, 1996. This committee is charged with defining programs and the process for bringing faculty into the new program, recommending priorities for funding and implementation during the build-up period, and selecting program areas to be targeted for growth or initiation. The Interim Steering Committee also will plan the priorities among programs for hiring new faculty, and will have a major advisory role regarding the allocation of resources within the division. Members of the Interim Steering Committee will consult with

**The committee has outlined a structure designed to aid research with minimal administrative overhead.**

proceed with a multi-faceted initiative in the life sciences.

As a practical means for implementing a life sciences initiative in a climate of limited resources, a Division of Biological Sciences has been proposed by the Life Sciences Implementation Committee, an administrative group composed of the senior vice president for research and graduate education, the vice provost and dean for undergraduate education, the senior vice president for health affairs and dean of the College of Medicine, and the deans of the colleges of Agricultural Sciences, Health and Human Development, and Science. In particular, the Implementation Committee has outlined a struc-

See "Sciences" on page 3

UNIVERSITY ARCHIVES/PENN STATE ROOM

DIVERSITY

# Biggers' mural joins other works of art on tour

The artwork of Distinguished Alumnus John Biggers is the subject of a major retrospective show that begins a national tour April 2 at the Museum of Fine Arts, Houston, Tx. "The Art of John Biggers: View from the Upper Room," includes "The Sharecropper," a mural that has been on permanent display at the Paul Robeson Cultural Center on the University Park Campus.

This is the first exhibition in the United States focusing solely on an African-American artist who visually acknowledges and reflects his Southern background and strong aesthetic links with Africa. The retrospective traces Dr. Biggers' work over 50 years and features 127 drawings, prints, sculptures and paintings, including four large-scale murals. The show's title is based on his most recent drawing, "Study for View from the Upper Room."

Dr. Biggers was honored at Penn State two years ago when he was at University Park to install "The Ark," a new triptych he displayed in the Robeson Cultural Center for several months, and to give a number of public lectures about his art. Two of his other murals, "Harvest Songs," are in Penn State's permanent collection and hang in the lobby of Burrows Building in central campus.

"John Biggers is a poet, philosopher, teacher, draftsman, painter, sculptor, muralist, and, above all, an inspirational leader," Peter C. Marzio, director of The Museum of Fine Arts, said in the exhibit catalogue. "He leads us with his powerful imagery, his impassioned discourse, his intense energy, and his all-consuming belief in the human community and its mystical interaction."

Dr. Biggers, a native of Gastonia, N. C., imbues his work with the darkness and light, sensitivity and pain of his Southern upbringing. In



On the move

Workers Chet MacDonald (left) and Andrew Larue, from Fine Arts Express, prepare to wrap the mural "The Sharecropper," by artist and alumnus John Biggers, for its trip to Texas. The mural, which was on permanent display in the Paul Robeson Cultural Center, will be part of an exhibition focusing on the works of Dr. Biggers.

Photo: Greg Grieco

1941, he entered Hampton Institute in Virginia (now Hampton University), intending to become a plumber. Educator and artist Viktor Lowenfeld came to Hampton in 1939 after escaping Nazi-held Europe and obtained the position of associate professor of industrial education. Dr. Biggers joined the art department and benefited greatly from Mr. Lowenfeld's knowledge, which included a deep interest in African art.

World War II interrupted his time at Hampton, but after the war, he followed Professor Lowenfeld to Penn State, where Professor Lowenfeld had accepted a position in the art department in 1946. While at the University, he earned his bachelor's, master's and doctor of education degrees.

After teaching for a summer in 1949 at Alabama State University, Dr. Biggers moved on to Texas Southern University in Houston.

There, he founded the art department and was its chairman for many years. While teaching many students who went on to become working artists, he entered and won several museum competitions.

During his teaching years, he received many honors, including the Danforth Foundation's E. Harris Harbison Award for Distinguished Teaching. He retired in 1983 and now devotes his time to his art.

## New bulletin board launched as avenue for diversity discussions

Penn State's Martin Luther King, Jr. Bulletin Board opened Jan. 16 as an electronic forum to discuss ideas and issues surrounding Dr. King's legacy. It is open to University faculty, students, staff and the public.

Sponsored by Continuing and Distance Education in cooperation with the Martin Luther King Jr. Commemoration Planning Committee, the bulletin board is a venue for honest discussion on current aspects of civil rights, diversity and affirmative action. The intent, says James B. Stewart, vice provost for educational equity, is to consider the philosophy and contribution of Dr. King from the perspective of the University community in 1995.

"We know that there are lots of people who have invested significant thought and caring in the perpetuation of King's legacy and they want to share what they know," Dr. Stewart said. "At the same time, there are those who don't see why we're spending so much time talking about this 'civil rights' stuff, when all racism and injustice has obviously been eradicated."

"The bulletin board is for both types of people. It's a place where they can meet and reason with one another, sharing concepts on an equal basis. We can use it to learn more about ourselves and what's needed in the community."

The developers hope the bulletin

**The bulletin board is a forum for those who agree with civil rights issues and also for those who disagree.**

board will generate and record ideas for community service programs. All correspondence will be forwarded to local volunteer service agencies. The MLK Bulletin Board will continue operating as long as there is an interest.

To join the bulletin board, send an Internet e-mail message to: listproc@mudfence.ce.psu.edu (with no subject) and the following single-line message: sub MLKDAY-L First name Lastname "Firstname Lastname" is your actual name, i.e., "John Smith," not your e-mail identification. Once a member of the bulletin board, you will automatically receive all mail sent to it. To send a message to the bulletin board for redistribution, address it to: MLKDAY-L@mudfence.ce.psu.edu. Contact Gary Abdullah at (814) 863-8790 for more information on the bulletin board.



**DIVERSITY**

# Black History Month

## Roundup of February events at Penn State locations

February marks Black History Month. What follows is a compilation of events being celebrated during the month.

■ **PENN STATE DELAWARE COUNTY CAMPUS**  
Feb. 15 — Seminar on racism, sexism and culturalism. 12:30 p.m.; Student Lounge, Main.

Feb. 20 — African Americans in Cinema. 12:30 p.m., Student Lounge, Main.

Feb. 27 — Speaker: Valeria Harvell. "African Americans in Higher Education." 12:30 p.m., Student Lounge, Main.

Mar. 15 — Speaker: Farah Griffin, author of *Who Set You Flowin'?*, the African American Migration North in Stories, Paintings, and Music. 12:30 p.m., Student Lounge, Main.

■ **PENN STATE HARRISBURG**  
Feb. 7 — Blues singer and musician K. J. James in concert, noon, Gallery Lounge.

Feb. 22 — Storyteller and musician Namu Lwanga in a one-woman show on her childhood in Uganda. 12 noon, Gallery Lounge.

■ **THE HERSHY MEDICAL CENTER**  
Feb. 4 — Showing of the movie, "Malcolm X." 7 p.m., LRA.

Feb. 9 — Gospel Choir Concert, 5 p.m., Hospital auditorium.

Feb. 23 — Panel discussion on health care for Black women, 1 p.m., C1847 BMR. Speaker: Billye Avery, founder of the Black Women's Health Project, "Health Issues of African American Women. 4 p.m., LRA.

■ **PENN STATE MCKEESPORT**  
Feb. 9 — Stars of Bethlehem Gospel Choir in concert. 7 p.m., Bucks Union Building.

■ **PENN STATE SCHUYLKILL CAMPUS**  
Feb. 11 — Blues singer and musician K. J. James in concert. 7:30 p.m., John E. Morgan Auditorium, Student Community Center.

■ **UNIVERSITY PARK CAMPUS**  
Feb. 3 — "A Question of Color." Documentary on color consciousness among African Americans. 7 p.m., auditorium, Paul Robeson Cultural Center.

Feb. 4 — Speaker: Minister Conrad Muhammad, Mosque # 7, Harlem, N.Y. "Keys to Survival on a Predominately White Campus." 7 p.m., 108 Forum Building. Co-sponsored by the Black Caucus and The Black United Front.

Feb. 10 — Student, faculty and staff mixer. 7 p.m., auditorium, Paul Robeson Cultural Center.

Feb. 15 — NOMMO Performing Arts Company presents "An Evening of African American Dance and Song." 7 p.m., auditorium, Paul Robeson Cultural Center.

Feb. 16 — Speaker: Nancy A. Williams, Department of Public Information. "History of the NAACP — From A Personal Perspective." 7 p.m., conference room, Paul Robeson Cultural Center.

Feb. 20 — The Center for Ethics and Religious Services presents a Malcolm X Symposium with Nah Dove, Sundiata Cha-Jua and Francois Mayumba, Department of African and American Studies. 7 p.m., auditorium, Paul Robeson Cultural Center.

Feb. 21 — The Center for Ethics and Religious Services presents a Malcolm X Lecture by Sonia Sanchez, Temple University. 7 p.m., Auditorium, Paul Robeson Cultural Center.

Feb. 28 — Film — "The End of the Nightstick." 7 p.m., conference room, Paul Robeson Cultural Center.

■ **PENN STATE WORKINGTON SCRANTON CAMPUS**  
Feb. 6 — Blues singer and musician K. L. James in concert. 7:30 p.m., Student Learning Center cafeteria.

Feb. 23 — Storyteller and musician Namu Lwanga in a one-woman show. 7:30 p.m., Student Learning Center cafeteria.

## Sciences

continued from page 1

biological sciences faculty in developing recommendations and making decisions.

The Interim Steering Committee members are: Stephen J. Benkovic, Evan Pugh professor and Eberly Chair in chemistry; Julien F. Bebuick, Walker Professor and chairman of Anesthesiology and associate dean for academic affairs at The Hershey Medical Center; Richard J. Courtney, professor and chairman of Microbiology and Immunology at The Hershey Medical Center; Daniel R. Deaver, professor of dairy and animal science; William J. Evans, professor of nutrition and applied physiology and director of Norl Physiological Research Center; Nina Fedoroff, Willaman Chair and professor of biology;

Leonard S. Jefferson, professor and chairman of Cellular and Molecular Physiology and associate dean for research and graduate studies at The Hershey Medical Center; Gerald E. McClean, Evan Pugh Professor of health and human development and director of the Center for Developmental and Health Genetics; Eva J. Pell, distinguished professor of plant pathology; Pavel Pevzner, associate professor of computer science and engineering; Channa C. Reddy, distinguished professor of veterinary science; A. Catharine Ross, Huck Chair and professor of nutrition; Robert T. Simpson, Willaman Chair and professor of biochemistry and molecular biology; Kenneth M. Weiss, professor of anthropology and genetics, and the BioCore Coordinator (to be named). Nina Fedoroff has been appointed as chair of the Interim Steering Committee.

## EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

### When You're Away From Home

Health Maintenance Organizations (HMO)

For employees and dependents (including students) enrolled in HealthAmerica HMO, life-threatening emergencies are covered by HealthAmerica anywhere in the world; however, you must notify HealthAmerica within 24 hours of admission.

In non-life-threatening emergencies, in order to ensure coverage, HMO members must consult their primary care physician for preauthorization before seeking care. If you go to an emergency room for a non-life-threatening situation without prior authorization, the charges may not be covered.

For dependent students, urgent care or emergency room service for non-life-threatening situations is covered only when the school's health service is not equipped to provide the care needed. Preauthorization by the student's primary care physician is required.

If you participate in an HMO, other than the HealthAmerica HMO, you should contact that HMO to verify the procedure within that particular HMO.

### Healthpass PPO Members

Employees and dependents (including students) enrolled in HealthPass PPO will have full coverage for conditions that are considered emergencies. The coverage is available anywhere in the world. Emergency hospital admissions must be "precertified" within two days following a confinement. The telephone number for precertification is 800-959-0115. Benefits will be reduced by 20 percent in cases where precertification is not obtained for a hospital admission.

HealthPass members receiving care by non-HealthPass participating providers, whether within or outside of the service area, will have benefits payable; however, the benefits will be subject to a 20 percent penalty on allowable expenses with the maximum penalty being \$2,000 in a calendar year.

### Plan A

With Plan A, you or your eligible dependent (including students) may seek care from the provider of your choice anywhere in the world. If you are admitted to a hospital, you must make certain that your admission is precertified with HealthAmerica. The telephone number for precertification is 800-959-0115. Failure to precertify a hospital confinement will result in a 20 percent reimbursement reduction in the benefits available.

An employee can authorize HealthAmerica to make payment directly to a provider anywhere in the world under any of the three plans. Many times foreign providers will require that HealthAmerica verify in writing that payment can be made directly. This is done routinely by HealthAmerica through fax machines.

If you have any questions concerning treatment out of the normal service area, you should contact HealthAmerica's Member Service Department at 814-231-8970 or 800-366-6433.

## Partings

### Library supervisor retires with 25 years of University service

Ruth J. Senior, library supervisor at the University Park Campus, has retired after 25 years of service. She was responsible for the supervision and daily operations of the borrowing unit in the University Libraries Interlibrary Loan Section.

Ms. Senior completed the secretarial program at Robert Morris College in Pittsburgh and studied psychology at Penn State and psychology and sociology at Muskingum College in New Concord, Ohio. Before coming to Penn State, she was an assistant to the executive secretary at Westinghouse Electric Corporation in Pittsburgh.

During her career at Penn State, she attended several workshops and participated in training on the use of the Online Computer Library Center (OCLC) database and the

Research Libraries Information Network. She also participated on several committees and served as president of the Library Staff Association.

Ms. Senior enjoyed problem solving and learning new ways for interlibrary loan borrowing, and said the best part of her job was "the staff I worked with and the contact I had with patrons."



Ruth J. Senior

### Research assistant ends 23 years at Hershey Medical Center

James H. Donachy, research assistant and director of fabrication, Artificial Heart Program, at The Hershey Medical Center, has retired after 23 years service.

Mr. Donachy came to the College of Medicine from the National Institutes of Health where he had worked in the Biomedical Fabrication Laboratory for 20 years. While there, he participated in the development of the first successful heart valve and is recognized as a co-developer of segmented polyurethane for use in biomedical devices.

During his tenure at Penn State, Mr. Donachy built the fabrication section of the Artificial Heart Program from a Sears lathe and drill press to a fully equipped machine shop and modern polymer fabrication department.

He is recognized as a co-inventor of the Penn State

Heart, a pneumatic blood pump that has been used in more than 500 patients in the United States and abroad and is also holder of several U.S. patents.

Mr. Donachy is looking forward to spending more time with his wife, Wanda, visiting his four children, and doing consulting work in the field of artificial organs.



James H. Donachy

### Number of employees retire

Chester Butler, maintenance worker utility, Office of Physical Plant, from Jan. 8, 1979, until Dec. 1, 1994.

Loretta C. Green, staff assistant IV, Penn State Fayette Campus, from March 1, 1982, to Jan. 1.

Martha A. Keiffer, food service worker, Penn State Harrisburg, from Sept. 22, 1975, to Oct. 1, 1994.

Millie J. Landis, director of enrollment, Penn State Harrisburg, from March 18, 1976, to Jan. 1.

Amy J. Reaick, janitorial worker, Office of Physical Plant, from Feb. 6, 1984, until Jan. 4.

Thelma J. Winand, administrative assistant II, Health and Human Development, from Sept. 1, 1978, to Dec. 31, 1994.

Lisa D. Zettle, staff assistant VI, Office of the President, from July 7, 1980, to Jan. 1.

## Appointments

### Behrend names director

James R. Carroll Jr. has been named director of the Media and Instructional Support Center (MISC) at Penn State Erie, The Behrend College.

Mr. Carroll formerly served as senior instructional services specialist at the McKeesport Campus. He holds a B.S. in vocational education/industrial from the University of Pittsburgh.



James R. Carroll Jr.

### Associate dean assumes post

Norman Freed, professor of physics, has been named associate dean of the Eberly College of Science.

Dr. Freed, formerly associate dean for resident instruction, assumes many of the responsibilities held in previous years by the associate deans of research, the Commonwealth Educational System and continuing education, and resident instruction.

One of Dr. Freed's many goals in his new position is to increase international awareness among Penn State's undergraduate students. "Our new British Science Exchange Program allows highly motivated students to spend a year at one of seven British universities," he said. "This experience exposes participants to the perspectives of European faculty and students in science."

Dr. Freed received his bachelor's degree from Antioch College in 1958 and his doctoral degree at Case Western Reserve University in 1963. He was a postdoctoral fellow at many universities and institutions in countries including Denmark, Finland, France, Sweden, and the United States. He joined the physics faculty at Penn State in 1965, and was named associate dean for resident instruction in the Eberly College of Science in 1979.

As associate dean for resident instruction, Dr. Freed played a major role in establishing the British Science Exchange Program, the college's Cooperative Education Program, and the Science BS/MBA Program.

In addition, Dr. Freed has done extensive research in theoretical nuclear physics and has authored more than 50 published papers on high-energy electromagnetic interactions with pion physics and nuclear systems. He has supervised 11 doctoral theses and has given invited talks and lectures at universities and conferences in 23 countries.

Dr. Freed is an active member of many professional societies including the American Physical Society, the American Association of University Professors, and the American Association for the Advancement of Science.

He was awarded Woodrow Wilson, Atomic



Norman Freed

Energy Commission, and National Science Foundation Predoctoral Fellowships in 1958; the Nordick Institute for Theoretical Physics Fellowship in 1963; the Ford Foundation Fellowship in 1963; and the CEA/CNRS (France) Fellowship in 1971 and 1977.

### Human Resources adds two

Two members of the Pennsylvania Services Corps. have joined the staff of the Office of Human Resources.

Janine Wettstone, a 1994 Penn State graduate with a B.A. in psychology, is involved with the Mommy & Me program; parent education classes (in collaboration with Parenting Plus), and public relations during her year-long placement in Child Care Program Services. In addition, she will participate in the State College Congress for Children and Youth, and will work with other campus and community human service agencies.

Nikki Parry, who received a B.A. in psychology from Penn State in 1994, also is working in Child Care Program Services. Her position involves many of the research and technical aspects of the office. She also works with community agencies to find collaborative grants and projects to benefit the University and surrounding community.

The Pennsylvania Services Corps., one of 15 national service demonstration models in 17 states, offers both full- and part-time employment to persons age 17 and older. The program provides an opportunity for participant learning and personal development, with a strong emphasis on leadership skills. Corps members are placed at colleges and universities, schools (K-12), and in community based organizations.



## Penn Staters

Donald A. Bryant, Ernest C. Pollard Professor of biotechnology and professor of biochemistry and molecular biology, presented a lecture, *Structural and Functional Studies on Cyanobacterial Photosystem I*, at the VIII International Symposium on Phototrophic Procarotenes, in Urbino, Italy.

Nancy Crago-Alcorn, extension agent in Allegheny County currently pursuing international work in Poland, and Maryeta Dorricott, extension agent focusing on the Family Living program in Delaware County, have received Continuing Excellence Awards from the National Association of Extension Home Economists Association.

Murat Gunaydin, professor of physics, presented a joint triangle seminar of the Imperial College, King's College, and Queen Mary's College in London, and a joint seminar of the Theoretical Physics Institute of the University of Hamburg and the German Electron Synchrotron Laboratory (DESY) in Hamburg, Germany. The talks were titled "Extended Superconformal Algebras, Triple Systems, and Gauged WZW Models."

William D. Horrocks Jr., professor of chemistry, has been named to the international organizing committee

for future International Conferences on Progress in Inorganic and Organometallic Chemistry sponsored by the University of Wrocław and the Technical University of Wrocław, Poland. He presented an invited lecture at the conference in Poland, Zdrój, Poland, titled "Eu<sup>3+</sup> Luminescence in the Characterization of Calcium-Binding Proteins and Magnetic Resonance Imaging Contrast Agent Ligands."

Gerald Lang, professor of art in the College of Arts and Architecture School of Visual Arts, has co-located an exhibit with Lee Marks titled, "The Horse: Photographic Images, 1839 to the Present." The exhibit will continue through March 26 at the University of Wyoming Art Museum. Professor Lang's own work is now on display at the University of Wyoming Art Museum in an exhibit entitled, "Gerald Lang: Horses, Photographs and Silver Prints."

E. Willard Miller, professor of geography and associate dean for resident instruction (emeritus) in the College of Earth and Mineral Sciences has been recognized as being a Fellow of the American Association for the Advancement of Science for 50 years, having been elected in 1944.

Jorge Pullin, assistant professor of

physics and a researcher in the Center for Gravitational Physics and Geometry, presented an invited talk, "Colliding Black Holes Without Supercomputers," while attending the 23rd RBRG, a regional South American conference on general relativity and gravitation, at the University of Buenos Aires, Argentina. He also made presentations at the University of Córdoba, Argentina, including a lecture to the faculty of mathematics, astronomy, and physics, and presented an invited talk, "Choptuik Spacetime: A Dynamical Systems Challenge in General Relativity," at the Seventh Medifinal Conference held in Montevideo, Uruguay.

C.R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, was an invited speaker at the Conference on Environments in Burlington, Canada. He spoke on "Canonical Coordinates: An Alternative To Correspondence Analysis Based On Hellinger Distance."

Michelle Rodgers, interim Capital Region director for Cooperative Extension, has received a \$2,000 Fellowship from National Association of Extension Home Economists (NAEHE).

## PROMOTIONS

### Staff

Chris A. Brown, applications programmer/analyst in the Office of the President.

Diana L. Cramer, staff assistant VI, in the Corporate Controller's Office.

Vernon L. Davis, management assistant II, in the Office of Physical Plant.

Jacquelyn L. Kline, accountant aide in Eberly College of Science. Ashoo Kumar, library assistant III in University Libraries.

Charlene R. Merriam, staff assistant V in Office of the President.

Bettina L. Noel, technician, Research, at the Hershey Medical Center.

Gary R. O'Donnell, manager, Local Area Networks, at the Hershey Medical Center.

Amy J. Paynter, senior data management analyst at the Hershey Medical Center.

Patti A. Peters, program assistant at the Hershey Medical Center.

Christina M. Rameau, manager, News Bureau, in Division of Development and University Relations.

Patricia D. Rawa, data manager at the Hershey Medical Center.

Beth E. Reich, staff assistant V at the Hershey Medical Center.

Barbara A. Rickard, staff assistant VI at the Hershey Medical Center.

Stephen D. Savard, lead applications programmer/analyst, Computer and Information Systems, in Office of Administrative Systems.

Shani L. Schalles, research support assistant at the Hershey Medical Center.

Lisa B. Seaman, senior technician, Research, at the Hershey Medical Center.

Annette J. Seibert, staff assistant V at the Hershey Medical Center.

Lori K. Slattery, coordinator, Residence Life Programs, in Office of Student Affairs.

Teresa J. Speicher, senior research technician at the Hershey Medical Center.

Virginia B. Struble, staff assistant VI in College of the Liberal Arts.

Rhonda M. Winesickel, staff assistant VI at the Hershey Medical Center.

### Technical Service

Floyd A. Maines, technician, Television and Electronics A, in Continuing and Distance Education.

Kevin L. Nelson, sheetmetal worker in Applied Research Lab.

Todd W. Plummer, technician, Television and Electronics A, in Continuing and Distance Education.

Susan R. Valimont, dining hall worker A in Housing and Food Services.

Jack A. Zook, truck driver in Applied Research Lab.

## Awards

### Smeal College names "Alumnus of the Year"

Alumnus James L. Matheny, a partner in the continuous quality improvement deployment group of Arthur Andersen LLP, has been named Accounting Alumnus of the Year by the Smeal College's Department of Accounting and the Penn State Chapter of Beta Alpha Psi.

He was recognized for his stature in the field of accounting and for his involvement as an active Smeal College accounting alumnus.

Mr. Matheny has more than 30 years experience in business consultation and audit service with the mining, manufacturing, and distribution industries. For over 20 years, he was in the Pittsburgh office of Arthur Andersen, one of the accounting industry's "Big Six" firms. From 1988 to 1991, he was on assignment in Sydney, Australia, where he served as Arthur Andersen's director of manufacturing services and coordinator of the firm's operation consulting practice for the Sydney and the Asia-Pacific region.

In 1991, he returned to the U.S. and was based in Arthur Andersen's Dallas, Texas office, working as an auditor and operational consultant. He was given his current assign-

ment in 1993 and is based in the firm's headquarters in Chicago, Ill. A 1964 graduate of The Smeal College, Mr. Matheny has served as a member of the college's Alumni Society Board of Directors since 1987 and is chair of the board's awards and recognition committee. He has been a member of Arthur Andersen's recruiting team at Penn State for many years and has participated in the Smeal College MBA mentoring program. In 1988 and 1989, he played a key role in the establishment of the Arthur Andersen Professorship in accounting at Penn State.



James L. Matheny

### Assistant professor receives national recognition for book

Fred M. Schied, assistant professor of adult education, has received the 1994 Cyril O. Houle World Award for Literature in Adult Education for his book, *Learning in Social Context: Works and Adult Education in 19th Century Chicago*.

The award, given annually by the American Association for Adult Continuing Education, recognizes works

written in English that contribute significantly to the field's advancement and unity.

The Houle Award is one of the field's most prestigious and competitive awards. Dr. Schied, a faculty member in the College of Education, is the first American to win the award.

# The ARTS

AT PENN STATE

## Lecture series

Carole Bigler, faculty member and co-ordinator of the master's degree in Suzuki piano pedagogy at Ithaca College, N.Y., will present a series of lectures on Friday and Saturday, Feb. 3 and 4, in the College of Arts and Architecture School of Music at University Park.

The schedule is:

"The Learning Cycle," Friday, Feb. 3, from 2:30 p.m. to 3:30 p.m. in the School of Music Recital Hall; "Stage Presence for Students Intermediate and Up," Saturday, Feb. 4, at 9 a.m. in the Recital Hall; "The Language of Learning," Saturday, Feb. 4, at 10 a.m. in the Recital Hall; "The Power of Positive Emotions," Saturday, Feb. 4, at 11:15 a.m. in the Recital Hall.

The lecture series is being co-sponsored by the Central Pennsylvania Music Teachers Association and the State College Suzuki Program. The lectures are free to the public.

## Celloist to perform

Celloist Anner Bylsma will perform a two-part concert at 8 p.m. Saturday, Feb. 4, and at 3 p.m. Sunday, Feb. 5, in Schwab Auditorium at University Park.

Considered the premiere baroque celloist of the latter 20th century, he will perform "Suites for Unaccompanied Cello" by Johann Sebastian Bach, for which he has received world-wide praise. Mr. Bylsma prides himself on his ability to continually find new interpretations of the suites he has been playing for years. His performances are designed to entertain both the general listener and the Bach enthusiast.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday, at (814) 863-0255.

## Black gospel music

A festive program of black gospel music will take place at 7 p.m. Saturday, Feb. 5, in State College's St. Paul's United Methodist Church, located at the corner of College Avenue and McAllister Street. Tony Leach, instructor of music at Penn State, will be the facilitator for the program, sponsored by the State College chapter of the American Guild of Organists.

Essence of Joy, a Penn State choral group directed by Mr. Leach, will participate in the celebration as well as two choral groups from Har-

risburg, Capital Area Music Association and the choir of St. Paul Baptist Church, both under Mr. Leach's direction.

The program is free to the public.

## Solo recital

Pianist Steven Smith, professor of music, will present a solo recital at 8 p.m. Sunday, Feb. 5, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will feature two

minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The members of the quartet are School of Music students Katie Jones, Sydney Rhodes and Andy Hartley and Mr. Durrant. The quartet will perform music by Johann Hermann Schein, Antonio Vivaldi, Felix Mendelssohn, and Peter Schickel.

The concert is free to the public.

## Folk theatre at Behrend

The Pittsburgh International Folk Theatre, with its traditionally costumed dancers, singers and instrumentalists, will appear at Penn State Erie, The Behrend College, at 8 p.m. Thursday, Feb. 9. The performance is free to the public and will be held in the Student Activities Commons, Reed Union Building.

The professional ensemble is dedicated to portraying the rich traditions of world culture. Colorful native costumes coupled with a youthful company known for its vitality and vigor combine to create a unique program; dances range from

4:30 p.m. This session is for people interested in volunteering for Shaver's Creek weekend open houses or weekday maple sugaring programs. It will familiarize participants with the entire process of making maple syrup.

"Heartfelt Herbs," Sunday, Feb. 12, 2 to 4 p.m. Participants will learn about bathing with herbs, aroma therapy, and other herbal skin care.

"Team Building for Two," Sunday, Feb. 12, 1 to 5 p.m. This interactive program provides couples with basic techniques that illustrate communication styles and problem-solving skills.

"Maple Tree Tapping, Saturday, Feb. 18, 1 to 3 p.m. Participants learn how to tap maple trees and gather sap for sugaring season.

In addition, Shaver's Creek will offer a two-part eco-tour in late February.

"The Eagle Has Landed...Again," Friday, Feb. 24, 7 to 8:30 p.m., a program on the life of the eagle.

"The Eagle and Swan," Saturday, Feb. 25, 6:30 a.m. to 6 p.m. Participants will travel to Conowingo Dam in Maryland to watch bald eagles, then to Conejohela Flats in Pennsylvania to look for tundra swans.

Preregistration is required for each of these programs. Fee information and registration is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons can also call either number to receive a free copy of Shaver's Creek seasonal program guide.

## "Oleanna"

Two performances of David Mamet's "Oleanna" will be featured at 7:30 and 10 p.m. Saturday, Feb. 11, in Schwab Auditorium on the University Park Campus.

The controversial play examines the relationship between a college professor and his student. "Oleanna" begins as Carol, a failing student plagued with feelings of inadequacy, visits John, a middle-aged professor on the brink of tenure, in his office to discuss her grade in his class.

What begins as a teacher offering support and comfort turns into a power struggle of sexual harassment and political correctness. The play is designed to stimulate dialogue and debate on these volatile issues.

For ticket information, contact the Eisenhower Auditorium Ticket Center, Monday through Saturday, 8:30 a.m.-4:30 p.m., at (814) 863-0253.

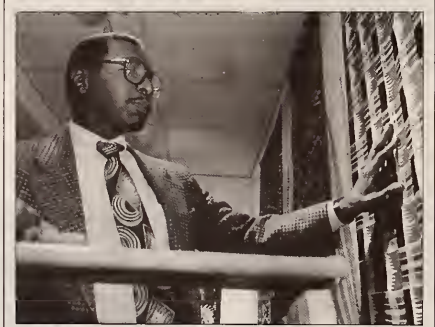
## McKeesport Campus

K.J. James, known as the "Bluesman," will perform his own special style of acoustic footstompin' blues and boogie at the Penn State McKeesport Campus at 7:30 p.m. Thursday, Feb. 16, in the Buck Union Building. The performance is free to the public.

With his acoustic guitar James performs a multi-textural array of the blues, a music he says is as much a part of American life as apple pie.

"The blues can lift your spirit and

## In the West African tradition



Lawrence Young, director of the Paul Robeson Cultural Center on the University Park Campus, takes a closer look at the Kente cloth on exhibit there through Feb. 20. The art in the exhibit ranges from wall hangings to pieces that date back to the early 1900s.

Photo: Greg Grieco

recent works as well as two works of the standard piano repertoire. Professor Smith will play Mozart's "Sonata in C Minor" and Schumann's "Fantasia, opus 17," contemporary works will include young British composer George Benjamin's "Meditation on the Name of Haydn" and John Beal's "Sonata for Piano."

The concert is free to the public.

## Bassoon Quartet

The Penn State Bassoon Quartet, under the direction of Daryl Durrant, associate professor of music, will perform for the Bach's Lunch series at 12:10 p.m. Thursday, Feb. 9, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-

the stately and ceremonial to the wild and passionate. Every aspect of the program is carefully researched to accurately reflect the culture, history and spirit of various lands.

The Pittsburgh International Folk Theatre appears at Penn State Behrend as part of the college's Cultural and Performing Arts Series. For more information about the performance or the series, contact the Office of Student Activities at 898-6171.

## Shaver's Creek program

Shaver's Creek Environmental Center at Penn State will offer the following public programs in February:

—Maple Sugaring Volunteer Training, Saturday, Feb. 11, 12:30 to



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, February 2**  
Sigma Xi, noon, 101 Kern. K.C. Kim on "Bugs Don't Lie: Forensic Entomology."  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Chamber Singers.

Special Exhibition Programs, 7:30 p.m., Palmer Museum. Leonard Leibowitz on "Why Rembrandt?"

**Friday, February 3**  
Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Chairs, Chests, and a Clock: Antique Chamber Singers, and a Clock: Antique School of Music, 2:30 p.m., Recital Hall. Carole Bigler on "The Learning Cycle." School of Music, 8 p.m., Eisenhower Aud. A Blue and White Montage. Tickets required, call 863-0255.

**Saturday, February 4**  
Office for Minority Faculty Development, 9 a.m., 114 Kern. Hector Flores, speaker, for "Publishing" workshop.

School of Music, 9 a.m., Recital Hall. Carole Bigler on "Stage Presence for Students Intermediate and Up," 10 a.m., "The Language of Learning," and 11:15 a.m., "The Power of Positive Emotions."

"Penn State Lectures on Frontiers of Science," 11 a.m., 101 Osmond Lab. Robin Tulio on "Introduction: From the Solar System to the Vast Universe."

Center for the Performing Arts, 8 p.m., Schwab Aud. Anner Bylsma, cello. Also Feb. 5, 3 p.m. Tickets required, call 863-0255.

**Sunday, February 5**  
Gallery Talks, 2 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "The Art of Leonard Leibowitz and Ken Apteker." School of Music, 8 p.m., Recital Hall. Steven Smith, piano.

**Monday, February 6**  
■ Comparative Literature, 12:15 p.m., 101 Kern. Maria Ana Tapan on "Post-War Romanian Literature: A Comparative Perspective."

**Wednesday, February 8**  
Center for Women Studies, noon, 120 Boucke Bldg. Discussion on "Empowerment Strategies for Women Students."

**Thursday, February 9**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Bassoon Quartet.

Lecture, 7:30 p.m., Palmer Lipson Aud. Ken Apteker on "Rembrandt's Problem." School of Music, 8 p.m., HUB Fishbowl.

Penn State Percussion Ensemble.

**Friday, February 10**  
Gallery Talk, 1:30 p.m., Palmer Christoffers Lobby. Jennifer Olson on "Rembrandt's Etchings."

Celebration of Love, 7:30 p.m., Old Main. Chamber Singers. Tickets required, call 863-2142. Also Feb. 11.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Stanley Turentine, tenor saxophone. Tickets required, call 863-0255.

**Saturday, February 11**  
"Penn State Lectures on Frontiers of Science," 11 a.m., 101 Osmond Lab. Robin Tulio on "Geometry and Evolution of the Universe."

Gallery Talk, 11:30 a.m., Palmer Christoffers Lobby. Debra Greenleaf on "Chairs, Chests, and a Clock: Antique Furnish-



**Soothing saxophone sounds**

Tenor saxophonist Stanley Turentine will perform at 8 p.m. Friday, Feb. 10, in Eisenhower Auditorium on the University Park Campus. For tickets call 863-0255.

ings at the Palmer Museum of Art." Film, 1 p.m., Palmer Lipson Aud. "The Mirror of Paradoxes: Rembrandt's Self-Portraits."

Center for the Performing Arts, 7:30 and 10 p.m., Schwab Aud. David Mamer's "Oleanna." Tickets required, call 863-0255.

**Sunday, February 12**  
Film, 1 p.m., Palmer Lipson Aud. "Realms of Light: The Baroque."

## PUBLIC RADIO

WPSU-FM 91.5  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

## SEMINARS

**Thursday, February 9**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Glad Lischitzky, speaker.

Chemistry Seminar, 12:15 p.m., SS Osmond Lab. Valsaric on "B96-Doxorubicin Immunocjugates: Combining High Specificity and Potent Cytotoxicity."

Adult, Continuing and Distance Education, 12:15 p.m., Studio D Mitchell Bldg. Ann Taylor-Bram on "The Rhetoric and Reality of PictureTel."

Economics, 2:30 p.m., 420 Kern. Andrew Filardo on "International Co-movements of Business Cycles."

Physics, 3:30 p.m., 101 Osmond Lab. Robert B. Hallock on "The Magic of 3He

Harrison on "Pesticide Concentrations in Rural Wells in Corn Producing Regions of Pennsylvania."

■ Geography, 4 p.m., 319 Walker Bldg. Stephen Matthews on "Transitions from School to Work to Home in Wales in the Late 1970s."

Mathematics, 4:30 p.m., 102 McAllister Bldg. Wenwu Cao on "The Study of Domain Structures in Ferroelectrics."

**Monday, February 6**  
Economics, 3:30 p.m., 413 Kern. Sanghamitra Das on "Recent Advances in Industrial Organization and Trade."

**Tuesday, February 7**  
Graduate Program in Nutrition, 4 p.m., S-205 Henderson Bldg. South. Jacob Selhub on "Homocysteinemia in the Framingham Heart Study."

Biology, 4 p.m., 8 Mueller Lab. Daniel Klehman on "Contradict and Cytoskeletal Proteins Drive Morphogenesis in Drosophila."

Geosciences, 4 p.m., 112 Walker Bldg. Don Fisher on "Case Study: Kodiak Island."

**Thursday, February 9**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Ramesh Narayan on "Accretion Disks Around Black Holes."

Adult, Continuing, and Distance Education, noon, 201 Keller Bldg. Forest Wortham on "Balancing Theory and Real Life Experiences When Planning Employee Training Programs."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Mark Traband on "A Statistical Approach to Tolerance Evaluation using Coordinate."

**Friday, February 10**  
Agronomy, 3:35 p.m., 101 ASI. Lynn Hoffman on "Continents Apart: World of Di-

in Two or Nearly Two Dimensions."

Statistics and Management Sciences and Information Systems, 4 p.m., 104 Classroom Bldg.

Ronald D. Snee on "The Future of Quality: What Part Will Statistics Play?"

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg.

Bohdan Kulakowski on "Research at the Pennsylvania Transportation Institute."

**Friday, February 3**  
Entomology, 11 a.m., 118 Agricultural Science and Industries Bldg. Diana Cox-Foster on "Antibacterial Defenses of the Insect Midgut."

Chemistry, 3:30 p.m., SS Osmond Lab. Bill Brune on "Current Problems in Stratospheric Chemistry."

Agronomy, 3:35 p.m., 107 ASI. Scott Harrison on "Pesticide Concentrations in Rural Wells in Corn Producing Regions of Pennsylvania."

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**Friday, February 10**  
Agronomy, 3:35 p.m., 101 ASI. Lynn Hoffman on "Continents Apart: World of Di-

ference." Geography, 4 p.m., 319 Walker Bldg. James B. Stewart on "The Dilemma of Updating Myrdal's American Dilemma."

**Saturday, February 11**  
Lorenzo Da Ponte Symposium, Nittany Lion Inn Boardroom. Olga Ragusa, 4 p.m.; Feb. 12, Ronald Rabin, 9:30 a.m. and Daniel Heats, 11 a.m. For Venetian banquet and contact information and registration forms, call 865-0495.

## CONFERENCES

**Friday, February 3**  
Sustainable Agriculture, 400 attendees, Nittany Lion Inn. Through Feb. 4.

**Wednesday, February 8**  
Dental Seminar, 30 attendees, The Penn State Scanlon.

Allegheny Soc. of American Foresters, 250 attendees, Days Inn Penn State. Through Feb. 10.

**Saturday, February 11**  
The DA Ponte Symposium, 60 attendees, \*The Nittany Lion Inn. Through Feb. 12.

**Sunday, February 12**  
Game Bird Conference, 75 attendees, Days Inn Penn State. Through Feb. 14.

## EXHIBITS

**HUB Browning Gallery:**  
"Milin Lin Oil Paintings," through Feb. 5.

**HUB Art Gallery:**  
Parsons School of Design Poster exhibit, through Feb. 19.

**HUB Art Gallery:**  
"International Mixed Media," through Feb. 20.

**HUB Formal Gallery:**  
"I Dream A World: Portraits of Black Women Who Changed America," Feb. 11 through March 25. Also in Browning Gallery.

**Penn Panels:**  
"Palmore Clarke Photography," through Feb. 21.

**Kern Plot and Tell Cases:**  
"Carl Gentiles Ceramics," through Feb. 21.

**Penn Museum:**  
"Rembrandt Etchings: Selections from The Carnegie Museum of Art," through March 5.

"Looking Forward, Looking Back: The Etchings of Leonard Leibowitz," through March 5.

"Rembrandt Redux: The Paintings of Ken Apteker," through March 5.

"Gift to Celebrate the New Museum," through July 16.

**Pattee East Corridor Gallery:**  
"MTA3 The Secrets of Alice's Wonderland," Jennifer Dowlin's work, through Feb. 10.

**Penn Lending Services Gallery:**  
"Cara Judea Alhadeff's Photography," through Feb. 16.

**Pattee Main Lobby:**  
An exhibit highlighting the Libraries' collections of towers and Central PA landscapes.

**Pattee West Lobby:**  
Anne Kenyon's work that includes watercolors of towers and Central PA landscapes.

**Zoller Gallery:**  
■ States of Contrast: Contemporary South African Printmaking," through Feb. 26.

■ Reflects an international perspective

# Playing Carnegie Hall

Two accomplished musicians from the School of Music will make their debut in the 265-seat auditorium

It's easy to see why pianist Tim Shafer and violinist Jim Lyon can harmonize so well together. After only knowing one another for four years, they finish each other's sentences, reveal details of one another's childhood, and can move through a difficult musical piece at an amazing clip. They were even delivered by the same obstetrician more than three decades ago.

Off stage, they're an unpolished comedy team, slinging one-liners like a gritty chef slinging hash in a roadside diner. By his own admission, the pianist is the funny guy, while the violinist plays the straight man.

"Tim has decided he's the humorous one with the serious side, and I'm the serious one with the humorous side," Lyon, assistant professor of music, said. "Isn't that how you put it?"

"Yeah, I really have to draw him out of his shell," Shafer, associate professor of music, chided.

But when the two University Park faculty members hit the stage of New York's Carnegie Hall later this month, all joking will subside as the duo focuses on the four pieces that make up their two-hour program.

A date at the Carnegie is considered a high point in any music career, something every performer aspires to even under the threat of reviews from "chronically cranky" New York critics. In the past 10 years, only one other faculty member or group from Penn State's School of Music — The Pennsylvania Quintet — has made it to the lofty heights of Carnegie Hall, according to Lyle C. Merriman, director of the school.

"An appearance at Carnegie Hall goes a long way toward establishing a performer's reputation among performing musicians," he said. "It's certainly a venue that musicians recognize as being an important step on the road to professional credibility."

In other words, Lyon and Shafer have hit the big time.

"Playing in New York period is a big deal," Lyon said. "It is certainly the center of music in this country, but we're not budding young prodigies hoping to be discovered. We don't think the critics are going to come out and say we're the next André Watts and Pinchas Zukerman..."

"By no means. That should have happened 17 years ago and it was going to happen," Shafer said laughing.

"We're just looking at this as a celebration of what we're doing. Of course we hope to receive big reviews," Lyon said.

Playing classical music under the name Duo Concertant, the two have been partners since January 1992, when they performed a recital on campus. Reaction to their performance was so positive, they decided to continue playing together.

They met by virtue of having side-by-side offices in the old Music Building. Through conversation, as people in the same line of work will do, they discovered that their thoughts about music and the presentation of classical pieces coincided. They also soon discovered they were both natives of Charleston, W.V. delivered by the same doctor, and they were two Presbyterian boys who had married Catholics.

"That makes for some interesting conversations on the road," Shafer said. Other similarities the two like to point out include the naming of their children. While each musician has three offspring, Lyon's two oldest children bear the names Clara and Elizabeth, while Shafer's two oldest are Sarah and Elisabeth. On the road, Lyon carries with him a constant reminder of his family, with four 5"x7" pictures lining his violin case. Images of his wife and three children look out from the bright red lining that cradles his instrument.

"It's like my wallet. I carry it with me wherever I go," he explained. The fact that these musicians have rhyming first names only makes it more difficult to remember who's stroking the ivories and who's plucking the strings. Shafer, 34 years old, began playing the piano at the age of five. Thirty-three-

## who, what, where

**Who:** Duo Concertant, composed of Penn Staters Tim Shafer, associate professor of music, and Jim Lyon, assistant professor of music.

**What:** Feb. 11 performance.

**Where:** Carnegie Hall's Weill Recital Hall in New York City.

**General information:** Bus from State College to New York City available. Tickets for show available by calling Carnegie Charge at (212) 247-7800.



Tim Shafer, on piano, and Jim Lyon, playing violin, practice a piece they will play in New York City on Feb. 11.

Photo: Greg Grieco

year-old Lyon, considered a virtuoso on the violin, began his music career at the age of eight. They both played other instruments when they were young, but "nothing we'd want to fuss up to," Lyon said, revealing that Shafer had played the trombone in high school.

"My high school piano teacher and my dad, who didn't even know what a whole note was, convinced me that the trombone was not where it was at," Shafer said. "My dad knew that by playing piano, I wouldn't have to rely on anyone but myself."

"Even then, his dad pretty much knew Tim was a loner," Lyon deadpanned. Lyon's childhood musical experience in Harrisonburg, Va. was different. Although he too attributes his career start to the support of his parents, he was focused on the violin from the beginning.

"I think it was sheer cussedness that made me pick the violin because where I grew up there weren't any string players. Most kids were playing band instruments," Lyon said. "I went to a national music camp in Michigan where I got to see a bunch of kids who were really into playing, really into practicing, and not just fooling around. What I saw was that these kids were playing a whole lot better than I was. It was eye opening and it made me take it seriously."

"The big joke that every musician has heard is, 'How do you get to Carnegie Hall' and the answer is 'practice.'"

And practice they have. For 34 years collectively the pair have honed their musical skills, and last week kicked off a series of recitals that will take them to halls in Illinois, Ohio, Virginia and New Jersey as practice for their New York debut.

"Having practiced a performance makes a big difference," Shafer said. "After our most recent recital, I think we both found areas that we'd like to improve or change. We're looking for a unity in the rhythmic ensemble... a certain oneness in spirit."

Shafer laughed that finding a spirit of oneness at that particular performance was a little tough because the house lights were up and the audience could easily be seen.

"It's a little distracting to see someone pull out their hanky and blow their nose right in the middle of your performance," he said.

But Shafer and Lyon aren't concerned about the Carnegie Hall audience, which they hope will be filled with family, friends and followers. In fact, charter bus transportation from State College to New York City has been arranged for anyone who wants to make the trip.

Any pre-Carnegie jitters the two may have of their performance only nine



## Arts

continued from page 6

get you through the tough times," he said. "My mission is to keep alive the true spirit of this popular national treasure."

### Pattee exhibit

Anne Kenyon's work is on display in Pattee Library's West Lobby Gallery through Feb. 28. The exhibition includes watercolors of flowers and central Pennsylvania landscapes. She also combines watercolor with collage in some of her landscapes.

Ms. Kenyon has participated in the Central Pennsylvania Festival of the Arts as a member of the Art Alliance and the People's Choice Arts Festival in Boalsburg.

### Odyssey on WPSU

"Tired Blues," the next episode of *Odyssey Through Literature*, features Emily Grosholz, Penn State professor of philosophy, discussing the poetry of W.B. DuBois and Langston Hughes, "Of DuBois' 'double consciousness.'"

Dr. Grosholz says, he "felt it was very difficult, sometimes impossible, to be true to his African heritage and to be an American citizen." Yet, she adds, he realized he had "a novel and innovative view of society" because he could see that "society that must change, and it must change in certain ways which will, in the long run, be helpful."

*Odyssey Through Literature* is produced in the audio studios of WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Carnegie Hall

continued from page 8

days away at well concealed. Their biggest fear at this point is not that they will miss a note or that the critics will scowl, but that it will snow on Saturday, the day the bus departs.

"Of course we'll be nervous. You're always nervous before a performance. I worry if I'm not nervous," Lyon said.

"It means you don't care enough," Shafer finished. "But preparation dilutes that and all we hope to do is convey the simplicity of the tunes. Making what is generally thought of as high-brow classical music more approachable."

"We're really just collaborators with the composer, but we are charged with interpreting the music and coming as close to the vision of what we think that composer was saying with his music," Lyon explained.

"Scratch my answer, I agree with him," Shafer said.

The duo's inaugural appearance at Carnegie Hall will include two longer pieces by Beethoven and Strauss, and two smaller ones by Stravinsky and Debussy.

— Lisa M. Rosellini

## News in Brief

### PENNTAP gift

PENNTAP, the Pennsylvania Technical Assistance Program, has received a \$12,000 contribution from Bell Atlantic.

"The essential technical assistance provided by PENNTAP to small businesses and industry throughout Pennsylvania is commendable," Tony DiGiio, vice president of external and public relations for Bell, said. "Its services offer a wealth of scientific and technical information to struggling clients and we are proud to participate in the expansion of its vital program."

### Faculty/Staff Appreciation Night

The Nittany Lion Wrestling Team will host a "Faculty and Staff Appreciation Night," at 7:30 p.m. Thursday, Feb. 9, when it competes

against Lock Haven University at Recreation Building on the University Park Campus. All Penn State faculty/staff and a friend will be admitted free with a staff identification card.

### Healthy Happenings

The Office of Faculty/Staff Health Promotion at University Park is offering more new programs to enhance your well-being. To register for any of the following programs, contact Jan Hawbaker at 865-3085, or JQH30@PSUADMIN. All of these programs are free.

■ **An Ounce of Prevention:** Colorectal Cancer, Feb. 6. Colorectal cancer is one of the most common forms of cancer, and was the most treatable, if detected early. Come to this discussion and learn from a local physician ways to prevent, detect, and treat this disease.

Free take-home colorectal screening kits also will be available. Meets 12:30-2 p.m. in 125 Reber Building.

■ **Menopause: the Male Perspective,** Feb. 13. Menopause is no longer just a woman's domain. During this lecture/discussion, find out how physical and emotional changes during menopause affect interpersonal relationships, and explore ways that men can have a positive influence on the experience. Meets 12:30-2 p.m. in 323 HUB.

### Looking for ideas

Colloquy, a student organization that sponsors nationally renowned speakers, is soliciting ideas for fall speakers from any University faculty members. If you would like to request a lecturer, please contact Charles Cinn, Colloquy president, at 865-9382.

## IDP seeking proposals for three grant programs

As part of a new one-step approach to instructional funding, the Instructional Development Program (IDP) currently is soliciting proposals simultaneously for three grant programs.

The programs are the United Federal Bank Endowment for the Enhancement of Undergraduate Instruction, the Fund for the Improvement of Undergraduate Instruction, and the Penn State Fund for Undergraduate Education.

Diane Enerson, director of the Instructional Development Program, said that, as a result of the new approach, application to the United Federal Bank Endowment is no longer a two-step process. At the same time, grant applications to the Fund for the Improvement of Undergraduate Instruction are to be submitted somewhat earlier than in previous years.

The United Federal Bank Endowment is designed to enrich undergraduate instruction by providing

support for innovative instructional projects, especially those with a potentially lasting effect. Dr. Enerson

### The grants are made to enrich undergraduate instruction by supporting resources, materials and events.

said several awards in the range of \$3,000-\$5,000 are expected to be made.

The purpose of the other two funds is to enrich undergraduate instruction by supporting resources, materials, and events for individual course enhancement which for budgetary reasons could not otherwise be included.

The Fund for the Improvement of Undergraduate Instruction, proposed by the Society of Teaching Award Recipients (STAR), is supported by the society and the provost. The Penn State Fund for Undergraduate Education is provided by the Office of the President. Awards in the range of \$100-\$1,000 are expected to be made from the funds.

Dr. Enerson said proposals may be submitted by faculty members in all colleges at all locations, and by staff members in academic support units. Proposals should be submitted to her at 401 Grange Building, University Park, no later than 5 p.m. Friday, March 3.

Application forms are available at the IDP office, 401 Grange. For additional information on application for the grants, call 863-2599 or 863-1864.

## 25-year Awards



Observing 25 years of service at the University are (from left) Peter Ferretti, professor of horticulture; Robert Hieman, senior programmer in agricultural economics and rural sociology; Aletta Schader, county extension director in Lebanon County; and James Van Horn, professor of rural sociology, all in the College of Agricultural Sciences.

## Private Giving

# Engineering endowment fosters the entrepreneurial spirit

As the president and CEO of a company for 24 years and the holder of more than 50 patents, H. Alfred Eberhardt, a 1948 graduate in mechanical engineering, understands the value of engineering contributions to society as well as the challenges that inventive and entrepreneurial engineers can face.

"I feel that so very much of our quality of living is the product of the efforts of engineers. Engineers who had ideas, built companies, and benefited all society. Any way that we can encourage young engineers with promise and ideas to exercise their initiative and imagination, to take that bold first step, benefits everybody in the long range," Mr. Eberhardt, retired president and CEO of Hale Products, Inc., said.

Accordingly, he and his wife, Nedra,

gave the College of Engineering, \$1 million to endow the Eberhardt Endowment for Entrepreneurship in Engineering. The Eberhardts gifted their home in

### The Eberhardts want to encourage students to discover and invent

Paoli, Pa., to the University and established a charitable gift annuity, which provides a lifetime income to the donors.

In addition to helping student engineers in the processes of discovery and invention, the Eberhardt Endowment also will offer them practical business

information. Areas covered include idea generation, technical and economic analysis, manufacturing, product distribution and studies in marketing, finance and business law.

Also, for Penn State engineering alumni, it will underwrite the formation and distribution of information on computer CDs relating to the exploitation of original ideas and starting businesses.

As head of Hale Products, Inc., Mr. Eberhardt directed a leading national producer of emergency products, particularly equipment used by fire fighters such as the "jaws of life." His patents, developed throughout his career, cover a variety of areas but focus primarily on pumps, controls, valves, sealing devices, and rescue equipment.

At Penn State, he serves on the

Leonard Center for the Enhancement of Engineering Education Advisory Board.

Mr. Eberhardt joined Clark Compressor Company, one of two founding companies of Dresser Industries, upon graduation from Penn State in 1948. He also worked for Pennsylvania Pump and Compressor Company, now part of Cooper Industries, before joining the Hale Fire Pump Co. in 1953. He led the transition of that company into Hale Products, Inc., a 700-employee manufacturer, which was sold recently to Index, a New York Stock Exchange Company.

The Eberhardts, who met while working at Penn State's Nittany Lion Inn, now live in Marco Island, Fla. and Cape May, NJ.

## Couple's \$4 million gift to benefit many

The College of Agricultural Sciences, the University Libraries and Intercollegiate Athletics will benefit from a million-dollar gift made by an alumni couple, Frederick Rasmussen Jr., and his wife, Ruth, of Moonstown, N.J.

The Rasmussens designated \$500,000 to endow the Frederick Sr. and Faith E. Rasmussen Professorship in Food Science in honor of Mr. Rasmussen's parents. Frederick Rasmussen Sr. served as head of Penn State's Dairy Husbandry Department, 1916-1919, and state secretary of agriculture, 1919-1923. Faith Elliot Rasmussen was a dietitian in Penn State's home economics extension program.

The Rasmussens also designated \$250,000 to endow a University Libraries fund to support the acquisition of books and other informational materials for the College of Education.

They directed the remaining \$250,000 to endow football scholarships for outstanding student-athletes.

The University will name the future endowments for the Libraries and for athletics in honor of the donors.

Frederick Rasmussen Jr. graduated from Penn State in 1942 with a bachelor's degree in dairy husbandry. He spent his career in the food industry and retired in 1985 as vice president and director of

operations for Kraft Foods dairy group. Ruth Rasmussen also graduated from Penn State in 1942 with a bachelor's degree in education.

The Rasmussens made their commitment through a charitable gift annuity, which allows them to receive a lifetime annuity from the assets they contributed to Penn State. As a result of their gift, the Rasmussens also became members of the George W. Atherton Society, recently established by the University to recognize donors who make planned and estate gifts.

## Delaware company pledges \$278,000 to University

E.I. du Pont de Nemours & Co. of Wilmington, Del., has given \$278,000 to the University to support several programs in science, engineering and business.

The bulk of the donation, \$195,000, was designated to the colleges of Engineering, Earth and Mineral Sciences, Agricultural Sciences, and the Eberly College of Science. The donation included a minority education grant for a student in engineering.

Two research units, the Environmental Resources Research Institute and the Materials Research Laboratory, received a total of \$25,000

DuPont also provided \$25,000 for a "Young Professor" grant that enables a faculty member to initiate research in a specified discipline. The recipient of that grant is Patricia A. Bianconi, assistant professor of chemistry.

The Smear College of Business Administration received \$31,000 for undergraduate studies in accounting, finance and business logistics. Funding for the Institute for the Study of Business Markets was included in the grant.

Additional grants of \$1,000 each were given to the Career Development

& Placement Services, and the College of the Liberal Arts' Medieval Fair. The fair will be held in conjunction with an international conference at Penn State, "The Cathedral, the Mill and the Mine: Technology in the Middle Ages," on April 7-9.

Since 1989, DuPont has supported Penn State with more than \$1.5 million in grants that encourage University faculty and students to achieve academic and research excellence.

## School of Communications receives \$110,000 donation

Dean Terri Brooks has announced that journalism alumnus Marvin L. Krasnansky and his wife, Josie, of Sonoma, Calif., have donated \$110,000 to establish the first two internship endowments in the School of Communications.

Both internship grants will be used to support the school's Internship Program by providing monies to cover basic living expenses for students accepted into the program. Preference for the grants will be given to students who have participated in extra-curricular activities or job experiences related to journalism or public relations.

The first grant has been named the

Marvin and Josie Krasnansky Internship Grant and has a \$100,000 endowment. It will provide funds to students with companies offering their own stipend to students.

The second grant has been named the School of Communications Internship Grant and has a \$10,000 endowment. It will provide funds to students who are participating in internships, but do not receive support from the sponsoring company. Additional funding to boost this endowment will be sought from organizations and alumni.

A 1952 journalism graduate, Marvin Krasnansky retired Dec. 31 as vice pres-

ident or corporate relations at McKesson Corporation in San Francisco. A reporter and editor with the *Essex* (Pa.) *Express*, the *Lancaster* (Pa.) *New Era*, and the *Wall Street Journal*, he has returned to his roots as a journalist by becoming the editor of *BUYSIDE* magazine. Published in Sonoma, *BUYSIDE* is targeted at money managers and features articles written by investment professionals.

In 1986, the Krasnanskys endowed the Marvin L. and Josie Krasnansky Graduate Scholarship in Communications.

## Estate funds scholarship for undergraduates

The School of Communications has received a gift of \$135,000 for the Donald Allen Memorial Scholarship.

The award has been endowed from the estate of Donald E. Allen, former chief copy editor of *The Morning Call* in Allentown. It will provide recognition and financial assistance to outstanding undergraduate students enrolled in the print journalism curriculum, with preference given to students from Lock Haven and Allentown.

Mr. Allen died Oct. 9, 1993, in Bethlehem. He began at *The Morning Call* as a copy editor in 1971. Before that, he was a reporter for the *Bradford Era*, *McKean County*, the former *Courier-Express* in Buffalo, NY; the *Palm Beach* (Fla.) *Post-Times*; and the *Pocomo Record*, Stroudsburg. He was a reporter and copy editor, Pennsylvania state editor, and night news editor for the former *Easton Express*.

Mr. Allen was one of six *Courier-Express* reporters cited by the New York State Historical Society for a series of articles, two of which he wrote, on the growth of Buffalo's suburban areas.

A 1950 Penn State graduate with a bachelor of arts degree in journalism, he served as an infantryman in France and Germany during World War II, and received the Bronze Star and the Purple Heart with one oak leaf cluster. He was a past national president of the 14th Armored Division Association and judge advocate from the Southeastern States Chapter of the association.



# Describing a Black Hole and its Effects

Physicist comes up with simple formula to check numerical analyses of phenomenon

Sometime before the year 2000, scientists hope to capture the first direct evidence for the existence of the gravitational wave, a phenomenon that Einstein's theory of general relativity predicts—but no one has actually observed.

"We suspect the strongest gravitational waves are produced by the collision of two black holes, one of the most violent events in the universe," Jorge Pullin, assistant professor of physics, said. Dr. Pullin is coauthor of a paper with Richard H. Price, of the University of Utah, on a new method for computing what these waves might look like.

Black holes are thought to be the immensely dense remnants of collapsed stars, whose gravity is so strong that nothing, not even light, can escape it. Einstein's theory predicts that when two of these titans of gravity collide, the violent dash washes the universe with gravity surges ranging from tidal waves to ripples.

"The early stages of the collision send out large, tumultuous waves, then these disturbances eventually quiet down as the two black holes merge into one," Dr. Pullin said. "We theorists are trying to predict the fingerprint of these gravity waves, so the experimentalists will know what to look for whenever there are instruments capable of detecting them."

That won't be until the end of the century. Meanwhile, astrophysicists are struggling with the difficult task of constructing a computer model of the collision and the gravity waves it could send toward Earth. A major research effort is under way to develop a complex numerical simulation of the collision—a 3-D animated video whose every move is governed by Einstein's relativity equations.

To model the event numerically, a computer must break up the action into millions of individual geometric cells, then calculate the dynamics in each cell and sum all the calculations together, like describing each brick in a building

where all the bricks are different. This super-high-tech video is expected to debut in the next decade, after super-

**Dr. Pullin's formula can be solved with a pencil and paper.**

computers powerful enough to handle the complex calculations are built.

"Developing, testing, and running the computer program, or code, for this numerical simulation will take up hundreds of expensive hours on a supercomputer," Dr. Pullin explained.

Taking an entirely different approach, Dr. Pullin has developed an analytical formula that can be solved with a pencil and paper, whose result a computer can turn into a graphic image in just a few seconds.

The people using numerical relativity simula-

tions have to use supercomputers because they are describing the entire collision, from the first violent moments to the final quietest stage," he said.

Dr. Pullin's formula describes just the end, when the collision is settled down and the gravity waves are rippling only a little bit.

"It doesn't replace numerical analyses, but it provides the first simple and economical means to gauge whether they are correct," Dr. Pullin said.

Dr. Pullin explained it is difficult enough to construct a numerical model of something that scientists can observe, like the flow of a fluid, but much more difficult when they don't have any idea how the thing being simulated actually behaves. Since no one has ever seen a collision between two black holes, simulating it on a computer has scientists feeling like they are groping in the dark.

If the patterns resulting from the new analytical formula match those from the

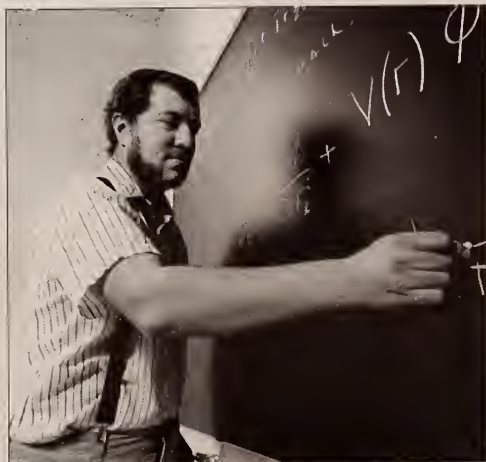
more error-prone numerical technique, scientists could have more confidence in the numerical model.

"We have confidence in our formula because scientists have a lot of confidence in the part of Einstein's theory that we use to describe the collision."

Other scientists seem to have confidence in Dr. Pullin's formula, as well. Just days before his paper was published in the journal *Physical Review Letters*, another paper using the formula appeared on a bulletin board on the Internet—a world-wide computer network.

"A group of astrophysicists from Cornell University have already refined our formula by adding a term for momentum," Dr. Pullin said. The Cornell group learned of Dr. Pullin's formula before its publication when he posted a preprint of the paper on the same Internet bulletin board.

—Barbara K. Kennedy



Jorge Pullin, assistant professor of physics, spells out theories for students.

Photo: Greg Grieco

## Research

### Roundup

Sharing a name with a fossil pollen

Here at Penn State, the football coach has an ice cream flavor named after him, major donors get buildings named after them, and now the University's president has a fossil pollen that shares his name.

President Thomas, professor of biology, can look proudly at *Cyrillacacipollites joelthomasi*, a fossil pollen named by Alfred Traverse, professor of geosciences and biology.

Just anyone think the palynologist is looking for extra praise for this naming. Dr. Traverse is quick to note that Dr. Thomas is the principal authority in the world on that particular family of shrub that relates to this fossil pollen specimen.

The 22-million-year-old pollen was found in samples from the Brandon Lignite in the Green Mountains of central Vermont, a geological deposit.

## Cutting costs

The United States may greatly cut its annual \$5 billion bill for mandatory pollution monitoring by changing the way samples of soil, water or other materials are collected.

Through research, Glen Johnson, a doctoral researcher in the Center for Statistical Ecology and Environmental Statistics, found that mixing individual soil samples together collected from the same polluted site and then analyzing these composited samples lowered regulation costs and still provided accurate assessment of risk from pollutants.

Mr. Johnson worked on the composite sampling work with G. P. Patti, director of the Center and Distinguished Professor of statistics, Charles Tallie, research associate, and Sharad Gore, professor of statistics at the University of Poona, in Pune, India.

"The key is to know the right time to use composite sampling," Mr. Johnson said. "Although it exists costs, you don't use it if it's going to produce biased estimates or ruin the integrity of the samples."

For example, the technique won't work if mixing samples changes their chemical composition or dilutes contaminated samples with clean ones to the point where pollutants can't be detected.

The researchers call for continued testing of composite sampling and other innovative sampling methods to achieve what they call "observational economy," or the most cost-effective way to determine the risk from harmful chemicals or other substances.

## Standards for student affairs outlined in report

The University has for the first time a set of minimum standards for student affairs services and programs operating at campuses of the Commonwealth Educational System, Penn State Harrisburg, and Penn State Erie, The Behrend College.

"The report," J. Thomas Eakin, assistant vice president for Campus Student Affairs, said, "describes necessary programs and services for six categories of campuses on the basis of minimum staffing and funding. We also defined a process for assessment at each of the nineteen campus locations. Part of that assessment is a self-study and an external consultation to be held at each location every five years."

Several years in process, the Professional Standards Committee of the Council of Chief Student Affairs Officers reviewed student affairs activities at the campuses, studied national literature defining appropriate services, and then identified 45 activities in the categories of enrollment management, academic support, student life, coun-

seling and health, special programs, administrative functions, and other activities.

Christopher Reber, dean of Student Affairs at Behrend College and chair of the Council of Chief Student Affairs Officers, explained that "we wanted to identify the services to be offered according to the mission of the campus. So the range and nature of services offered by Fayette College will obviously vary from those offered by Behrend. Nevertheless, campus CEOs, college provosts and others can now work with student affairs professionals to plan quality services outlined in the report and to make choices commensurate with needs on funding."

At some campuses, services such as career development and job placement vary presently from nothing to considerable. Sometimes services do not match campus mission. Although some campuses prepare students for transfer to University Park, Behrend, Harrisburg, and to other four-year institutions, others primarily graduate two-

year degree recipients who expect to enter the work force.

"We cannot afford to skimp on something as basic as career services," Dr. Eakin said. "We can't promise students a job, but we surely can help them through the job search process."

Drs. Eakin and Reber hope their work leads to a more appropriate distribution of services across the campuses.

Dated June 1994, the report is titled *Standards for Student Affairs*. In addition to Drs. Eakin and Reber, Anita Helton, administrative assistant, Campus Student Affairs, University Park; Dwayne Hilton, assistant director of Student Affairs, Behrend College; Larry Pollock, director of Student Affairs, New Kensington Campus; H. George Russell, former director of Student Affairs, Altoona Campus, and Gale Siegel, acting director of Student Affairs, Osgontz Campus, served on the Professional Standards Committee.

### FACULTY / STAFF ALERTS

#### Crime statistics

In compliance with the Campus Security Information Act of 1988, campus crime statistics and policies dealing with personal safety will be published or distributed on each campus on Wednesday, Feb. 8.

#### Portions of Intercom available online

Front page stories and other portions of *Intercom* are available electronically through: OAS, EmC2, CAC PSUVUM accounts or Penn State Gopher.

In addition, press releases written by the Department of Public Information can be accessed.

## Obituaries

Mary E. Berringer, food production worker, Penn State Erie, The Behrend College; from Sept. 1, 1967, until her retirement June 1, 1978; died Oct. 30 at the age of 76.

Charles Dillio, professor emeritus of mechanical engineering, died Dec. 27. He was 82.

He earned bachelor's and master's degrees at Penn State.

Mr. Dillio taught for four years at Rensselaer Polytechnic Institute in Troy, N.Y., and worked for two years as an engineer for Yale and Towne Co. in Philadelphia.

He served on the University faculty for 33 years, until his retirement in 1975. He served as faculty adviser for Pi Tau Sigma honorary society and was the first recipient of the University's Excellence in Teaching award.

A registered professional engineer,

he was an honorary member of the American Society of Mechanical Engineering and a member of Pi Tau Sigma, Pi Mu Epsilon and Phi Kappa Phi honorary societies.

Robert G. Carter, project assistant, College of the Liberal Arts; from Feb. 1, 1993, until his retirement Nov. 1, 1994; died Nov. 26 at the age of 60.

Rose Cooper, nutrition adviser in the College of Agricultural Sciences, since June 27, 1988; died Nov. 15 at the age of 57.

Mary H. Decker, residence hall worker, Housing and Food Services; from Nov. 22, 1965, until her retirement Feb. 28, 1981; died Nov. 16 at the age of 78.

Henry C. Fisher, foreman, painting,

Office of Physical Plant; from Feb. 4, 1960, until his retirement Jan. 1, 1972; died Nov. 1. He was 85.

Harry T. Livingston, laboratory assistant, College of Engineering; from Nov. 1, 1953, until his retirement July 1, 1974; died Dec. 23 at the age of 80.

Roslyn G. Levine, research assistant, Plant Pathology, College of Agricultural Sciences; from Aug. 1, 1965, until her retirement Aug. 1, 1990; died Jan. 6 at the age of 69.

Celest V. Marlin, grille attendant, Housing and Food Services; from Oct. 29, 1955, until her retirement April 8, 1972; died Dec. 27 at the age of 84.

Donald A. Nichols, janitorial worker, group leader, Office of Physical Plant; from Sept. 1, 1966, until his retirement

Jan. 1, 1985; died Nov. 28. He was 75.

William K. Reed, administrative assistant, College of Education; from Aug. 1, 1970, until his retirement Oct. 1, 1982; died Nov. 20 at the age of 72.

Donald H. Refner, storeroom assistant, Housing and Food Services; from Nov. 11, 1953, until his retirement May 15, 1984; died Nov. 12 at the age of 72.

Leoma M. Spicer, residence hall worker, Housing and Food Services; from Feb. 28, 1966, until her retirement July 1, 1977; died Nov. 16 at the age of 77.

Donald L. Wolf, driver, courier, Hershey Medical Center; from Jan. 1, 1968, until his retirement Jan. 1, 1980; died Nov. 5. He was 79.

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William E. Campbell Jr., editor  
Lisa M. Rosellini, associate editor  
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**Let it snow, let it snow, let it snow — we're ready!**

Donnell Gahner, a mechanic in the Office of Physical Plant's service garage, hooks up a plow in anticipation of the snow that caused the cancellation of the Feb. 4 parade honoring the Nittany Lions, Rose Bowl Champions. The parade will be rescheduled for a future date — if the weather complies.

Photo: Greg Grieco

## Faculty Senate report says variability in salaries consistent with national figures

An informational report on the 1994-95 salaries of Penn State faculty finds that salaries among the colleges vary greatly, but notes that the variability "is consistent with the variability in average salaries among disciplines throughout the U.S.A."

The report was released at the Jan. 31 meeting of the University Faculty Senate. During a discussion of the report, the Senate was urged to form a committee that would work with the administration to address differences in salary levels, but no formal action was taken.

A report on faculty salaries is presented annually to the Senate. This year's report, at the request of the Sen-

ate Committee on Faculty Benefits, presented salary data by college and by rank for both University Park and the Commonwealth Educational System (CES), separately.

Several faculty members contrasted the salary levels for professors in The Smeal College of Business Administration and those in other colleges, and for University Park faculty and CES faculty, and questioned whether market forces could account for those differences.

Barton W. Browning, chair of the Senate and an associate professor of German, said he was pleased that the discussion on faculty salaries — and other issues on the Senate agenda —

involved more faculty and more diverse points of view than usual.

In other business, the Senate adopted several recommendations urging the administration to increase allocations for student aid and approved proposed changes to promotion and tenure procedures.

The following student aid recommendations were adopted:

— "The University should set as a goal, additional funding for its undergraduate student aid program which will support a strategy of meeting each qualified student aid applicant's full essential need; that is, the costs for only tuition, fees, room, board and

See "Senate" on page 3

## Book lover gives Libraries \$1.9 million gift

The University Libraries has received \$1.9 million from the estate of a Penn State alumnus to create the J. Harvey Fahnestock Endowment for Scientific, Engineering and Rare Books.

"We are thrilled to accept this generous estate gift," Nancy M. Cline, dean of the Libraries, said. "Gifts such as the one created by Mr. Fahnestock will ensure our ability to provide students in science and engineering with the tools needed to com-

**The gift will ensure that students in science and engineering have proper resources.**

plete their educational experience. It also will strengthen the Libraries as a major research resource for students and scholars alike."

Mr. Fahnestock was a lover of books and counted the Penn State Rare Books Room among his favorite spots. Before his death in 1970, he gave a number of rare books, including an 1865 edition of *Hans Brinker, or, The Silver Skates, a Story of Life in Holland* to the University. The library is "not for a class of readers, but for the multitude," he once said. "It makes no pretension to completeness. It is at best, fragmentary. But a dinner of fragments is often the best meal."

Prior to his death, Mr. Fahnestock set up a charitable trust annuity in his estate by which his twin sisters were provided a fixed income. After their recent death, Penn State received the remaining trust funds and used them to establish the Fahnestock Endowment. The endowment will generate income each year to be used for library acquisitions.

A native of Harrisburg, Mr. Fahnestock received his degree in electrical engineering in 1901. He retired in 1935 from the Bell Telephone Co. of Pa.

# Inside



**Penn State's 13th president died Feb. 1. Pictorial tribute on pages 6 and 7**



**Quality Expo 95**  
Make plans now to attend the April 6 COI event.  
See page 10

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## DIVERSITY

# Russians search for answers in quest to develop distance education courses

Bringing education and training programs to a population of 149 million living in the largest country in the world requires new approaches, and two Russian educators visited Penn State and other U.S. higher education institutions in November to search for ways to meet this challenge.

"Our main interest is in developing a system of international education that includes multiple levels of distance learning, resident instruction and exchanges between universities," Alexander D. Ivannikov, general director of the Russian Institute of Computer Science in Moscow, said.

"We want to develop courses using distance education methodologies. It's important to give people access to information and the ability to learn, so that they can discover things for themselves."

Vladimir P. Kashitsin, general director of the Russian Association for International Education, noted, "We came to Penn State to learn more about the development of distance education and international education and to familiarize ourselves with academic mobility issues."

Russia encompasses one-ninth of the world's land mass (about 6.6 million square miles) and spans 11 time zones. Despite its size, communication is not a problem, Mr. Kashitsin said.

"We have access to the Internet and Gopher, among other information services, and we're ready to interface with the worldwide information system."

At University Park, they met with academic administrators and representatives of Continuing and Distance Education's Department of Distance Education. They discussed distance education, accreditation, academic mobility, and student and faculty exchange issues, while also exploring educational partnerships.

Michael G. Moore, academic director of the American Center for the Study of Distance Education at Penn State, invited them to visit the University, as a result of his involvement as program chair and keynote speaker for the first International Conference on Distance Education in Russia, held last July at the Russian Academy of Sciences in Moscow.

## Russia's current higher education system includes more than 500 institutions and about 2.8 million students.

The Russian educators are key members of the Russian Association for International Education, created in 1993. Dr. Ivannikov serves as first vice president of the association.

Russia's current higher education system includes more than 500 institutions and about 2.8 million students. The state system is tuition-free to students and also provides them with a modest stipend, Dr. Ivannikov explained. However, some state institutions and all private universities now charge tuition. To be admitted, students must pass an entrance exam.

"Russian people are willing to pay for business and economic education, the most popular fields now," he noted. Medicine, law and computer science remain favorite careers.

Mr. Kashitsin added that meeting the education and training needs of the Russian people will involve increased reliance on distance education technologies.

# Young Women's Leadership Conference set for Feb. 17-18

Forty-five young women in grades 9-12 throughout Pennsylvania who have demonstrated leadership potential have been selected to participate in a leadership workshop at the University Park Campus, Feb. 17 and 18.

The AIM High: *Young Women's Leadership Conference* will offer participants from the Philadelphia, Harrisburg, Hazleton, State College, Altoona, Erie, and Harrisburg regions an opportunity to explore and discuss key leadership issues confronting women. The delegates are being sponsored by Health America and a partnership between Penn State and the AT&T College and University Systems.

Criteria for selection of participants included a strong academic record, involvement in extra-curricular and/or community activities and demonstrated potential for leadership.

Throughout the workshop, the participants will have the opportunity to meet and become acquainted with leadership role models who are college students, young professionals, and experienced career women whose leadership over the years has had a positive impact on their community and work. Each participant will stay overnight in a Penn State residence hall and be the guest of a student who holds a leadership position in a University organization. The Penn State student will join her for dinner and accompany her to a Penn State Lady Lions basketball game. The following day, the participants will gather for the workshop from 8 a.m. until 3:30 p.m. at The Penn State Scanlon Conference Center.

During the workshop, the keynote address will be presented by Alecia Swasy, a 1985 Penn State graduate, who is a former reporter for the *Wall Street Journal* and author of *Soap Opera, The Inside Story of Procter and Gamble*. Small group discussions will focus on traits of a leader, making unpopular decisions, and developing a personal mission statement. Coach Rene Portland of Penn State's Lady Lions basketball team will address the group at noon.

The program is a continuing and distance education service of Penn State. It is intended to prepare promising young women to make the most of their leadership abilities.

## BOOK SHELF

Donald A. Bryant, Ernest C. Pollard Professor of biotechnology and professor of biochemistry and molecular biology, is the editor of a book published by Kluwer Academic Publishers: *Growth of the Netherlands*. The book, *The Molecular Biology of Cyanobacteria*, is intended for graduate students and researchers in the fields of photosynthesis, microbiology, plant molecular biology, biochemistry and biotechnology. It summarizes more than a decade of progress in analyzing the taxonomy, biochemistry, physiology, cellular differentiation, and developmental biology of cyanobacteria by modern molecular methods, especially molecular genetics.

Javier Escudero, assistant professor of Spanish, is the author of a new book on Juan Goytisolo, the most significant novelist of contemporary Spain. Published in Almería, Spain, by the Institute of Studies of Almería, it is titled *Eros, mística y muerte en Juan Goytisolo: 1982-1992* (*Eros, Mysticism, and Death in Juan Goytisolo: 1982-1992*).

Studying Goytisolo's most recent works, Dr.

Escudero shows the radical evolution that occurred in the novelist's writing beginning in 1982. In his recent novels, the social themes, demythifying emphasis, and predominance of eroticism of the earlier period give way to a spiritual, and even mystical, concern that signals a total transformation in Goytisolo's thought and spirit. Dr. Escudero shows how the novelist confronts such concerns as transcendence, salvation, and condensation and how he investigates various spiritual doctrines in his effort to find answers to his anguish.

The book contains studies of four key novels of the recent period: *Después de la batalla* (*After the Battle*), 1982; *Las virtudes del pájaro solitario* (*The Virtues of the Solitary Bird*), 1988; *Aproximaciones a Gaudi en Capadocia* (*Approaches to Gaudi in Capadocia*), 1990; and *la Cuarentena* (*The Quarantine*), 1991.

Dr. Escudero analyzes the major themes of this period: the obsessive reflection on death, spiritual anguish, and the role of Eros in the path to transcendence. He focuses special attention on Goytisolo's use of the image of the City of the Dead in Cairo.

Jovita Ross-Gordon, associate professor of education, is co-author of *Supervision of Instruction: A Developmental Approach*.

Published by Allyn & Bacon, the book is

intended for use as a text for graduate students in educational supervision courses. It takes a broad field approach to the multiple skills, techniques, and tasks of supervision.

In addition, the book offers practical applications for supervisors in the real world of schools, suggesting ways of applying knowledge, skills, and tasks to integrate individual needs with organizational goals to achieve change and instructional success.

William D. Milheim, assistant professor of instructional systems at Penn State Great Valley, is editor of *Authoring Systems Software for Computer-Based Training*.

Published by Educational Technology Publications, the book attempts to provide the reader with information about authoring packages from authors who are familiar with the software and its instructional applications.

Each chapter provides an overall description of a specific package, including such items as hardware and software requirements. An overview of the instructional design process for computer-based training and multimedia also is provided.

Several other College of Education faculty members are represented in the book, including Barbara Grabowski, Carol Dwyer, and Kyle Peck.



## News in Brief

### Fulbright lecture

The Central Pennsylvania Chapter of the Fulbright Association will present a discussion by Michael M. Naydan, head of Slavic Languages, and visiting Fulbright scholars, Mykola Riabchuk, deputy editor-in-chief VSP/IT (Ukraine), and Maria Zubrytskyi of Lviv, Department of Ukrainian Literature (Ukraine).

They will discuss "Enriching Your Department: How to Attract Visiting Fulbright Scholars" in the International Lounge, 222 Boucke Building, University Park, at 5 p.m. Feb. 15. Refreshments are available. Everyone is welcome to attend.

### Advising lunches

On Jan. 24, 38 faculty and staff members at University Park attended the first in a series of brown bag advising lunches sponsored by the Division of Undergraduate Studies. Scheduled throughout spring semester, the series provides advisers with an opportunity for professional development and networking. All University faculty and staff interested in academic advising issues are welcome to attend.

The schedule for the rest of the semester is Wednesday, Feb. 15; Thursday, March 16, and Tuesday, April 18. All lunches will be held from noon to 1 p.m. in 305 Hetzel Union Building on the University Park Campus.

On Feb. 15, the group will discuss student support services for specific populations, focusing on the Academic Support Center for Student Athletes (ASCSA) and the Multicultural Resource Center (MRC). Diana Kenep, director of the ASCSA; Mike Blanco, director of the MRC, and session participants will share ideas on how advisers and center staff can work together to help students succeed. The group also will prioritize topic suggestions to determine the agenda for future sessions. For a list of suggested topics and/or more information, please contact Laura Brown (814) 865-7576, LS81@CAS.PSU.EDU.

### Mardi Gras Night

Members of the Faculty Staff Club will enjoy a repeat performance of Mardi Gras Night on Thursday, Feb. 16. The

evening will feature a Cajun menu, complete with King Cake and other delights. This Thursday event begins at 5:30 p.m. in the Boardroom of the Nittany Lion Inn and is open to club members and their guests.

The cost is \$8.00 for those paying with their Faculty Staff ID card; it is \$10.00 for those paying with cash. Club members should make sure they have sufficient balances in their accounts. Members wishing to add to their balance should send a check made out to Penn State along with their Penn State ID number to Faculty Staff Club, 110 HUB.

For information about joining the club, contact any of the club officers as listed under "Faculty Staff Club" in the new Penn State Faculty/Staff Directory.

### Recycling phone books

Old telephone books can be recycled by placing them in the gray newspaper recycling barrels located in all campus buildings. If you have questions, call the Recycling Hotline at 865-8000.

### Model United Nations

More than 400 high school students will receive valuable lessons in international

diplomacy Feb. 16 to 18 when the Model United Nations reconvenes for the 23rd year at Penn State Harrisburg.

Sponsored by the International Affairs Association of Penn State Harrisburg, the model assembly is designed to promote greater understanding of the United Nations and to provide a forum for discussion of major international issues and concerns.

The keynote speaker for this year's conference will be Marc Bass, a 25-year veteran of the U.S. Foreign Service.

### Intercom information

Deadline for copy to be included in *Intercom* is due by noon, on the Wednesday (one week and one day) before the issue in which the information will appear is published. Seventeen issues of *Intercom* will be published from now until Aug. 3. *Intercom* will not be published March 11, during spring break, nor on May 18 at the end of the semester. Beginning June 8, the *Intercom* will resume its summer schedule and appear every other week. For an *Intercom* publication schedule, call Kathy Norris at 865-7517.

## Faculty Senate News

### What have you done for me lately?

The 1994 report of the University Faculty Senate's special committee on faculty workload and accomplishment, not only indicates that Penn State faculty work an average of 52.3 hours a week, but also highlights the breadth and richness of the faculty's contributions to society.

The following excerpts from the report, meant to respond to the call for accountability and assessment, highlight the benefits that Penn State faculty help bring to Penn State students, the communities surrounding the University's 22 locations, the state, and the nation.

■ Money magazine's 1993 guide on "best college buys" placed Penn State on its list of the top 100 colleges where "prices are bargains when measured against the quality of the education they offer." The University's average instructional cost per full-time equivalent student is the lowest of any state-related or state-owned university in Pennsylvania, and its tuition has always been about one-third the cost of tuition at top private schools, such as the University of Chicago, Bucknell University, Lehigh University, and Ivy League schools.

■ Unemployment rates for Pennsylvania's young adult college graduates are about half those of high school graduates. Nationwide, too, unemployment among adults with one or more years of college averages about half that of the population as a whole.

■ Pennsylvania's young adult college graduates earn about twice as much as high school graduates. They are about twice as likely to work in managerial or professional positions and only about one-third as likely to work in service jobs as are high school graduates.

■ College graduates earn from 53 percent to 72 percent more than high school graduates. In 1991, the median annual income was about \$51,000 for families in which the head of the household had four or more years of college, compared to \$18,000 for families headed by a high school graduate. For all families the median annual income was about \$30,000.

■ Higher education has large direct economic payoffs for society as a whole. The conventional, measurable rate of return on public investment in undergraduate education has been approximately 11 percent to 12 percent a year since the 1960s. Higher education contributes almost 25 percent of the growth in the economy, according to 10 economic estimates.

■ Payoffs on society's investment in colleges and universities include increased tax receipts from college graduates, improved technology transfer, higher productivity, and "spillover" financial benefits for individuals, local communities and businesses.

### Senate

continued from page 1

books." (This would take a minimum of \$15 million, says a report to the Senate.)

— "The University should undertake a student aid endowment campaign of at least \$100 million."

— "The University, through its development office, should identify annual sources of funds to support its student aid program with need-based grant funding." (Note: Senior University administrators and academic deans have been planning for a major fund-raising campaign, with undergraduate scholarship support a major priority.)

Research and analysis regarding the impact of student aid on various student cohorts and research on the income shifts of students in the aid applicant population should be undertaken."

— "The University should increase its advocacy for increased support of federal aid to students through its governmental affairs office."

A recommendation that the University increase the percentage of funds generated by the annual tuition increase funds that are designated for student aid was withdrawn and will be brought back to the full Senate when figures on its financial impact can be obtained. The measure was sent back to the Senate Committee on Admissions, Records, Scheduling and Student Aid.

Before the student aid recommendations were adopted, Anna M.

Griswood, assistant vice president for student financial aid, presented a report indicating that a stronger student aid program will probably help attract and enroll the number and quality of students Penn State seeks. "Student aid should be able to influence the recruitment process," she said.

Among the approved changes to promotion and tenure procedures were those that deal with effective dates for tenure; eligibility for membership on tenure and promotion committees; communications with candidates for tenure; frequency of reviews; and dossiers for simultaneous tenure and promotion.

The Senate also learned that 23 complaints were filed in 1993-94 with the Senate Committee on Faculty Rights and Responsibilities, compared to 24 in 1992-93 and eight in 1991-92. More than half of the 1993-94 cases involved tenure and promotion issues.

The Senate meeting concluded with brief remarks from Undergraduate Student Government President Mike King, who outlined some of his classroom experiences at Penn State, praised the University's ongoing efforts to develop a proposal for a University-wide institute on active and collaborative learning, and urged that Penn State "do a better job of rewarding teaching in the promotion and tenure process." "Good teaching, he said, "must be at the top of our priority list."

# ATHLETICS

A regular column provided by Intercollegiate Athletics

## A letter from a friend at Penn State.

That's the focus of a pen pal program nearly 100 student-athletes have launched with fourth grade students in the Harrisburg School District. The IMAGES PEN PAL program will involve Nittany Lion and Lady Lions athletes as well as cheerleaders, Blue Band members and student athletic trainers, who will correspond with 30 Harrisburg fourth-grade classes totaling more than 800 students.

Each Harrisburg class will have at least one male and one female Penn State pen pal and the exchange of letters will continue every two weeks through mid-April. A photograph of each class will be taken and posted with the classes' letters on a bulletin board in Penn State's Academic Support Center for Student-Athletes.

"Our student-athletes realize how fortunate they are and want to be positive role models for youth throughout Pennsylvania," Deanna Waalkes, coordinate of the Academic Support Center's Life Skills Program, said. "This pen pal program will enable our student-athletes to reach out to Harrisburg students."

## Sports Day

Penn State coaches and student-athletes marked National Girls and Women in Sports Day on Thursday, Feb. 2.

A number of coaches of Lady Lion teams participated in radio panel discussions and former Penn State lacrosse All-America Betty Williams Dougherty attended an awards luncheon to mark the occasion in the Russell Senate Office Building in Washington, D.C.

Other upcoming occasions of importance include National Sportsmanship Day, March 7, and National Student-Athlete Day, April 6.

## Stewart successful in track

Vin Stewart, a defensive starter for the undefeated Big Ten and Rose Bowl Champion football team, has emerged as a standout in the spotlight for Coach Harry Groves' indoor track squad. Stewart recently captured the shot in the Florida Barnett Bank Invitational with a throw of 56 feet, two inches. He also was the shotput winner in a triangular meet with Michigan and Michigan State.

## Lady Lion Gymnastics

Freshmen have played a key role in the early fortunes of the Lady Lion gymnastics team. Joanna Knox of Fallon, Nev., won top all-around honors in the dual meet with Illinois and a triangular affair with Alabama and Oregon. Liv Agnew, of Wilbraham, Mass., duplicated Knox's effort in the Lady Lions' win at Ohio State.

Penn State enters the defending National Championship, in Rec Hall on Saturday, Feb. 11, at 7:30 p.m.

## Nittany Lion Wrestling

A galaxy of wrestling all-stars will be on hand when Coach John Fritz's 1994-95 matmen close out the home season with Lehigh on Feb. 11 vs. Lehigh at 3:15 p.m. in Recreation Building. Penn State will salute its former wrestling standouts at the Lehigh match. More than 40 All-Americans have accepted invitations to participate.

The Big Ten wrestling championships are scheduled for March 4-5 at Indiana. The NCAA tournament is set for March 16-18 at the University of Iowa.

## Lambert Trophy

Another award is headed Penn State's way in a football season already overflowing with team and individual honors. The Nittany Lions will receive the Lambert/Meadowlands Trophy on Feb. 15 at a Giants Stadium dinner. It is the 22nd time Penn State has won the prize, which is emblematic of Eastern football supremacy.

## Highlight on Undergraduate Education

# Penn College student designs Victorian house that will grace campus grounds



Mark E. Kessler looks over the design plans that netted him first place in a design competition.

When Mark E. Kessler left Pennsylvania College of Technology in December with an associate degree in architectural technology, he left behind the best possible statement of his education—a beautifully designed Victorian house.

Mr. Kessler competed against other architectural technology students in creating the basic design for the Victorian manor which will be built in the middle of the college's campus over the next two years. The concept behind the building is to blend Penn College's modern construction technology capabilities with the rich Victorian heritage of the city.

His Queen Anne style house features 3,900 square feet of space on two floors. Highlights include a wraparound porch and a tower containing a second floor glass rotunda sitting room. The first floor holds a grand parlor with fireplace, a large dining room, kitchen, office, and a bedroom with private bath. The second floor contains three bedrooms, each with private baths, the sitting room, and laundry facilities. The building will serve special guests of the college.

Even more beautiful than his Victorian house design is the fact that he accomplished it despite a learning disability.

"Since winning the design competition, I'm getting better at coping with my disability. I'm getting more confident," he said. "It's as though, 'Yeah, I can do this!' The house is evidence that my abilities are as good as I thought they were." Mr. Kessler's learning disability affects his ability to read written material and understand expressive language.

"My learning disability isn't a complete hindrance, but when it comes to reading or studying, I have to sit down and have more concentration and more preparation than other people might," he explained. "I have to work real hard and spend a lot of time on what I'm doing."

In the Victorian house design competition, held as part of a class project, Mr. Kessler was the sole one-person team out of 15 teams to contend for the honor of having their design selected by a committee comprised of a Victorian era historian,

interior designer, architect and contractor.

When he heard his design had won, he said, "I couldn't believe it! Even seeing it being built, I still can't believe it! But, every time I walk by it, I'm reminded that, yes, it's mine!" He intends to return to his alma mater on a regular basis to "keep an eye on the house" and its progress. Professionally, he hopes to attain an entry-level position in his field and would eventually like to own his own construction business.

In addition to the valuable hands-on learning opportunity provided to Mr. Kessler and fellow architectural technology students by the Victorian house project, other students enrolled in a wide variety of Penn College programs will benefit as well. Construction of the facility began last fall with heavy construction equipment students excavating the site, and construction technologies students installing the basement and framing the first floor. Before the project is completed, students in plumbing, electrical technology, heating, ventilation and air conditioning technology, and landscaping also will lend their talents to the building. When finished, students in the college's hospitality programs will develop their skills serving the house guests.

Penn College will utilize the house as a standing showcase for modern construction materials and methods used to replicate historic buildings. The college is seeking donations of products, equipment and cash from local, state and national manufacturers to support the initiative.

"We're trying to make it an historical representation," James D. Naas, assistant dean for the college's Construction and Design Technologies Division, said. "We're attempting to choose modern materials that still meet historical criteria."

Dr. Naas noted that the project has planted a seed for many other ventures, including cooperative initiatives with the Lycoming County Historical Museum and the possibility of adding an historical restoration program to the college's academic portfolio. "The project will affect the community and the college in many dimensions," he said.



## Appointments

### Director named to new post

H. James Dunlop has been appointed director of procurement and materials management at the University.

In this new position, he will oversee Purchasing Services, which is responsible for the procurement of equipment, materials, goods and services for University Park and the Commonwealth Campuses; General Stores, responsible for stocking and distribution of commonly used commodities; Salvage and Surplus, responsible for the redistribution and sale of goods and materials that become salvage or surplus to the University; and Travel Services, which has responsibility for contracting and management of business travel and education for University faculty and staff.

His appointment was announced by Betty Roberts, assistant vice president for Business Services.

"I am pleased that Jim has accepted these new responsibilities," Dr. Roberts said. "His background and experience will be a tremendous asset, both to Business Services and the University."



H. James Dunlop

Mr. Dunlop, a Penn State graduate with a B.S. degree in food service and housing administration, joined the University staff in Housing and Food Services in 1970, holding positions at the Penn State Mont Alto Campus, Penn State Hazleton Campus and at University Park.

Since 1976, he has served with the Department of Purchases, progressing from buyer to assistant purchasing agent to his previous position of purchasing agent with responsibility for supervision of the Purchasing staff.

In 1980, Mr. Dunlop attained the designation of Certified Purchasing Manager by the National Association of Purchasing Management.

A member of the National Association of Educational Buyers, he is past president of the association's Delaware, Pennsylvania, and West Virginia region.

A search process is under way for a purchasing manager who will assist in handling the day-to-day operation of the purchasing department.

### Account specialist comes on board

Pamela M. Meier has been named marketing communications account specialist in the director's office of University Health Services.

In this newly created position, Ms. Meier will develop and implement an annual University Health Services marketing plan. This plan is two-fold: to provide an increased student awareness of the wide scope of health services available to them, and to provide the public with health issue updates. Other key responsibilities of the position include: human resources liaison in the director's office;

coordinating and preparing the annual report for UHS and the Annual Big 10 Health Services Survey, managing UHS policies and procedures; facilitating the Student Health Advisory Board, and acting on special administrative projects.



Pamela M. Meier

A State College native, Ms. Meier received her bachelor's degree in hotel, restaurant and institutional management from Penn State in 1985. She also completed the graduate studies certificate program in total quality management at Marymount University in Arlington, Va. in 1992.

After working in human resources for Interstate Hotels Corp. in Florida and New York, she joined Stouffer Hotels & Resorts at the Mayflower Hotel in Washington, D.C. There she developed and coordinated all staff communications/training programs, as well as staff involvement in local community events.

Ms. Meier is also a contract trainer through the Human Resources Development Center at Penn State, and is currently a board member of the Alumni Association's local chapter, where she chairs the publicity committee.

## Private Giving

## Student athletes to benefit from generosity of alumnus

The University will receive \$2.75 million from the estate of Raymond N. Shibley, a native of State College and a noted Washington, D.C. attorney. He died July 2 at age 68.

The bequest will be used to establish endowed funds for student athletes and for general University scholarships.

One third of the bequest will support student athletes in the wrestling program, one third will support men's varsity basketball, one sixth will go to women's varsity basketball, and one sixth will benefit the University's general scholarship fund.

"Ray Shibley was a wonderful person whose innate warmth and generosity touched many at Penn State," President Thomas said. "He will be missed. He did so much for Penn State during his lifetime, and this bequest will benefit the University for many years to come. We are very grateful."

Mr. Shibley's ties to Penn State were deep. He grew up in State College, where his father, Jabir, was a mem-

ber of the mathematics department and a Presbyterian minister. His mother worked at Pattee Library. His wife, the late Jean Phillips Shibley, graduated from the University in 1947. The University named him an Alumni Fellow in 1987 and a Distinguished Alumnus in 1989, and he served as a member of the executive committee of the Campaign for Penn State. At the time of his death, he was a member of the National Development Council, the University's highest volunteer fund-raising advisory body.

He gave more than \$622,000 to the University during his lifetime, including funds to establish a scholarship fund in memory of his late parents and wife; \$250,000 to establish the Raymond N. Shibley Professorship in Mathematics, and \$250,000 to endow the J.P. Shibley Professorship in Behavioral Health in the College of Health and Human Development. He also served on committees that led fund-raising efforts for the Bryce Jordan Center and the Paterno Library addition.

Formerly a patent attorney, Mr. Shibley joined the law firm of LeBoeuf, Lamb, Leiby & MacRae as a partner in 1980 to specialize in energy and public utility regulatory law.

He graduated from State College Area High School in 1942. During World War II, he joined the U.S. Maritime Service and served on vessels in the Atlantic, Mediterranean and Pacific theaters. A letter-winning wrestler as an undergraduate, he graduated with honors from Penn State in 1947 with a degree in commercial chemistry. He then attended Yale Law School, from which he graduated with honors in 1950.

As a lawyer, Mr. Shibley appeared regularly before federal administrative agencies, and participated in more than 30 appellate cases, including six before the U.S. Supreme Court. He served as president of the Federal Energy Bar Association and was widely regarded as the "Dean of Energy Law" by his legal colleagues. He was also named one of the 20 leading energy lawyers in the nation by the *National Law Journal*.

## 25-year Awards



Observing 25 years of service at the University are, from left, Shirley Davis, administrative assistant; Robert Seeds, associate librarian and head, Mathematics Library, and Melvin Westerman, associate librarian, General Reference, all in University Libraries; Joseph A. Cessna III, foreman, Warehouse Operations, and David R. Workman, utilities analyst, both in the Office of Physical Plant; and James Welshans, extension agent in Dauphin County, in the College of Agricultural Sciences.

# Penn State's 13th president leaves an indelible mark



John W. Oswald  
1917 - 1995

Dr. Oswald's presidency spanned the turbulent '70s when student unrest was at its peak, to the early '80s and the beginning of the construction boom at Penn State.

John Wieland Oswald, 77, who served as president of Penn State from 1970 to 1983, died Feb. 1 at his home in Philadelphia.

He was on the University Park Campus last month to attend the annual John W. Oswald Lecture in Higher Education, which was established in 1983 by the Board of Trustees in his honor, and attended the Rose Bowl Jan. 2.

"Penn State is deeply saddened by the loss of Jack Oswald, who remained very much a part of our University family even in his retirement," President Thomas said. "I am personally grateful for the time I spent with President Oswald, who was one of our nation's distinguished leaders in higher education."

The 13th Penn State president, Dr. Oswald began his tenure during a period of national student unrest and financial difficulty. Returning stability to campus was one of his first tasks, which he achieved quickly with his skills as an accomplished mediator, meeting with both faculty and students often well into the night.

On the financial side, he is credited with keeping the University on a strong financial footing at a time when the retrenchment of government funding was leading other colleges and universities into budgetary crises. President Oswald instituted long-range planning and budgeting processes that ultimately resulted in the reallocation of \$30 million among the colleges and administrative units.

He also arrived with a longer-range mandate to develop and implement an academic policy plan to guide the University in the 1970s and 1980s. This plan was to stress academic excellence and also make the University more available to citizens of the Commonwealth and enhance Penn State's national and international reputation and visibility.

Dr. Oswald fulfilled that challenge in part by assuming leadership roles in Pennsylvania and nationally. He served as vice president and president of the Pennsylvania Association of Colleges and Universities from 1974 to 1976.

Over the same period, he served as vice president and president of the highly prestigious Association of American Universities, which consists of the leading graduate-research universities in the United States and Canada. He also headed the federal relations committee of the National Association of State Universities and Land Grant Colleges and served as chair of the American Council on Education.

During his tenure, Penn State implemented a program of governance that outlined the role and responsibilities of the president, establishing lines of accountability to the board and delineating the role of faculty and students in the internal governance of the University. The first open meeting of the Board of Trustees was held during the Oswald presidency. Dr. Oswald also implemented the 1972 Academic Policy Plan, which set the stage for a period of modest growth following two decades of dramatic increases in enrollments and in the number of University campuses, as well as a physical plant development plan to support this academic growth.

Dr. Oswald was also an early supporter of Penn State's entrance into the Big Ten. He was particularly interested in the academic benefits of participation in the Big Ten, and felt Penn State had much in common with the major public research universities of that conference.

Penn State's Hershey Medical Center expanded under President Oswald in the 1970s, adding five major additions to the hospital complex, and conferring the first medical degrees in 1971. Other academic and support programs established during Dr. Oswald's presidency include the Equal Opportunity Program, the Alumni Fellows program, and



Penn State's prestigious Evan Pugh Professorships for outstanding faculty were increased from four to 20 across the University.

Dr. Oswald's tenure also saw the construction of 11 new buildings at the University Park Campus, including the Milton S. Eisenhower Auditorium, the Museum of Art, which was expanded, remodeled and named the Palmer Museum of Art in 1993; Carpenter Building, which serves the College of Education; the design award-winning Ag Arena, which was started in 1983; and the Liberal Arts Tower, which was renamed the John W. Oswald Tower in 1986 by the Board of Trustees in his honor. His wife, Rose, is credited with being a full partner in the accomplishments of the Oswald presidency.

A native of Minneapolis, Dr. Oswald did his undergraduate work in botany at De Pauw University where he became a member of Phi Beta Kappa in his junior year and captain of the football team. He received his Ph.D. from the University of California in 1942. Following graduation, he attended Navy Officer Training School at Notre Dame and Northwestern universities, and served as a PT boat captain in the Mediterranean theater. Later, he served as executive officer of the Motor Torpedo Boat Ferrying Command in New Orleans.

He began his academic career as an assistant professor of plant pathology in 1946 at the Davis Campus of the University of California and became chairman of the Department of Plant Pathology at the Berkeley Campus in 1954. In 1962 he was named vice president for administration in the statewide system for the University of California.

Shortly thereafter in 1963, he was named president of the University of Kentucky, where he led the establishment of 15 branch campuses. He returned to the University of California system in 1968 as execu-



# ible mark on the University



...resident of the nine-campus system, and was  
...ident of Penn State in 1970. Dr. Oswald served  
...corporate boards, including GPU and Merrill  
...e was also on the boards of Chestnut Hill College  
...orris Arboretum, affiliated with the University  
...vania.  
...eting from Penn State in 1983, Dr. Oswald con-  
...e active in higher education from his office at the  
...Ogontz Campus and his home in Philadelphia.  
...survived by his wife, Rose, and three children,  
...(Betsy) Browne, Nancy and John Jr., and four  
...ughters.



From left (clockwise) John Oswald arrives at the airport June 28, 1970  
with his wife, Rose, to become Penn State's 13th president; (top, left) soon  
after his arrival in 1970, Dr. Oswald met with students to discuss issues;  
(above) walking across campus with outgoing President Eric Walker, 1970;  
(above) involved with students, Dr. Oswald takes a break to try a hot air bal-  
loon ride in 1977, at the University Park Campus in January 1995. Dr.  
Oswald meets Jonathan Steinberg, author and scholar, while current Presi-  
dent Joab Thomas looks on. Dr. Steinberg presented the 1995 Oswald  
Lecture, named in honor of Dr. Oswald; the former president sits in the  
grass and listens as student leaders talk during the annual Encampment  
Program; (below) shown with his wife, Rose, Dr. Oswald posed for a pic-  
ture with incoming President Bryce Jordan and wife, Jonelle, 1983; and in  
1975 at commencement ceremonies, Dr. Oswald greets speaker William T.  
Coleman, secretary of transportation in the Ford Administration.



# The Arts

AT PENN STATE

## Turentine Quintet

The Stanley Turentine Quintet will perform at 8 p.m. Friday, Feb. 10, in Eisenhower Auditorium on the University Park Campus.

Tenor saxophonist Stanley Turentine has made jazz a way of life for nearly 50 years. A committed modernist, he began his career playing with now legendary artists such as Tadd Dameron and Max Roach. Today his sound is strictly his own—a tenor sound cultivated by fusing several elements into one playing style that has attracted world-wide attention. His latest albums combine a bit of R&B, bebop, fusion and pop.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814)863-0255.

## "Celebration of Love"

The Penn State Chamber Singers will present their ninth annual "Celebration of Love" concert at 7:30 p.m. Saturday, Feb. 11, in the Rotunda of Old Main on the University Park Campus. To cover the expense of a reception at the conclusion of the concert, there is an \$8 admission charge.

The tradition of "Celebration of Love" began in 1987 as a tribute to the late professor emerita, Willa Taylor. The singers are the select members of the Chamber Singers, chosen from among the members of the Penn State Concert Choir by Dr. Douglas Miller, professor of music and director of both groups. The readers for the concert will include, from the Department of Theatre Arts, professors Helen and Lowell Manfull as well as two acting majors, Gwyn Fawcett and Stephen Wilson Travis.

The vocal repertoire and the poetic readings for the evening will primarily consist of love texts of various eras. The vocal music will be sung a cappella.

Seating in the Old Main Rotunda is limited and interested persons are encouraged to reserve space early by calling 863-2142, or writing to 114 Arts Building, University Park, PA. 16802.

## Composer In Residence at School of Music

Internationally known composer and theorist Jonathan Kramer of Columbia University will be in residence at the College of Arts and Architecture School of Music Feb. 14 through 16 in conjunction with a performance of his orchestral work, "Musica Pro Musica," by the Penn State Philharmonic. The concert, under the direction of Professor Pu-Qi Jiang, is at 8 p.m. Thursday, Feb. 16, in Eisenhower Auditorium.

Professor Kramer will deliver a lecture in music theory, "Temporal Multiplicity and Post-modernism: The Finale of Mahler's Seventh Symphony," at 9 a.m. Wednesday, Feb. 15, in Room 128 of Music Building 11. He will also discuss his own music in a composition seminar from 1:30 to 3:30 p.m. on Thursday, Feb. 16, in the Music Seminar Room, fourth floor East Pattee Library.

## Special HUB exhibit

The HUB Formal Gallery will feature "I Dream a World: Portraits of Black Women Who Changed America," a photographic exhibition by Pulitzer

Prize-winning photographer Brian Lanker, between Feb. 11 and March 25.

A highly accessible show with a positive message, the exhibit highlights women who have overcome obstacles of racism, sexism and poverty through strength and conviction. A two-year project by Mr. Lanker, this exhibition features large-scale, black and white portrait photographs of 75 remarkable women who made their mark on America.

Among the women Mr. Lanker photographed and interviewed are activists and organizers Mari-ann Wright Edelman, Rosa Parks and Septima Clark; writers Maya Angelou, Gwendolyn Brooks, and Alice Walker; political leaders Barbara Jordan and Shirley Chisholm; singers Marian Anderson, Odette and Lena Horne; athletes Althea Gibson and Wilma Rudolph; dancer, Katherine Dunham, as well as many others.

His photographic essays are seen most often in LIFE magazine. His portrait portfolio of 1932 Olympic gold medalists received numerous awards, and he is among a group of only five pho-



"I Dream a World"

This portrait of singer Leonette Price is part of the HUB exhibition of the photographic works of Brian Lanker. The exhibition, on display from Feb. 11 through March 25 in the Formal Gallery on the University Park Campus, features African-American women who have overcome many obstacles on their roads to success.

tographers to be selected twice as Newspaper Photographer of the Year. Mr. Lanker won the Pulitzer Prize for feature photography in 1973.

This exhibit will feature a Gallery Talk by Marc Hessel, associate professor of art and head of the photography area in the School of Visual Arts, at 4 p.m. March 15, in the HUB Browsing Gallery. This exhibition is sponsored by the Equal Opportunity Planning Committee, the Office of Student Unions and the Paul Robeson Cultural Center.

## Woodwind quintet

The Penn State Woodwind Quintet, under the direction of Timothy Hurtz, assistant professor of music, will perform at 12:10 p.m. Thursday, Feb. 16, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Members of the quintet include Katherine Jones, flute; Amy Nytrai, oboe; Cindy Nelson, clarinet; Andy Hartley, bassoon; and Julie Lybarger, French horn.

The concert is free to the public.

## Spring concert

The Penn State Philharmonic Orchestra will present its first concert of the spring semester at 8 p.m. Thursday, Feb. 16, in Eisenhower Auditorium on the University Park Campus.

Featured will be the performance of "Musica Pro Musica" (Music for the Sake of Music) composed by Jonathan Kramer. The concert also will feature the winners of the Penn State Philharmonic's 94-95 solo competition, including cellist Julie Patterson, marimbist Douglas Stephens, pianist Melinda Worth, and soprano Jeanne Nagurny performing works of Elgar, Long, Shostakovich and Mozart.

Guest conductor Walter Straiton will begin the concert with Beethoven's "Overture to Coriolanus, Op. 62." Mr. Straiton, a graduate of the Eastman School of Music, currently is pursuing doctoral studies at Penn State.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

## "Bedroom Farce"

The University Resident Theatre Company continues its '94-'95 season with the production of "Bedroom Farce" under the guest direction of Eberle Thomas. The production opens Monday at the Playhouse Theatre on the University Park Campus.

Mr. Thomas, a experienced professional in theatre, has earned directing credits at such places as the Heart of America Shakespeare Festival, the University of Connecticut, and the University of Texas.

"Bedroom Farce" will open on Friday, Feb. 17 and continue through Saturday, Feb. 25. All evening performances begin at 8 p.m. Student preview performances will be held at 8 p.m. Wednesday and Thursday, Feb. 15 and 16. A matinee will be presented at 2 p.m. Saturday, Feb. 18. For ticket information, contact the Arts Ticket Center, open 8:30 a.m. - 4:30 p.m., Monday through Saturday, at (814) 863-0255.

## "Jesus Christ, Superstar"

"Jesus Christ, Superstar," starring Ted Neeley, will show for two performances, at 8 p.m. on Friday and Saturday, Feb. 24 and 25, in Eisenhower Auditorium on the University Park Campus.

The musical, combining biblical story with rock and roll, traces the last seven days in the life of Jesus of Nazareth.

Mr. Neeley, who played Jesus in the 1973 film version, has returned to the role with power and grace. The Broadway hit showcases the talents of two of musical history's biggest names: composer Andrew Lloyd Webber and lyricist Tim Rice.

For ticket information, contact the Eisenhower Auditorium Ticket Center.

## Odyssey on WPSU

On the next episode of Odyssey Through Literature, Audrey T. Rodgers, professor of English, discusses her latest work, *The Poetry of Engagement: An Appreciation, Analysis and Defense of the Poetry of Denise Levertov*. Here she defends Levertov's works on Vietnam, in which her critics charge that she traded "aesthetics for polemics." Dr. Rodgers disputes their criticism with host Leonard Rubinstein.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature, in the audio studios of WPSU-TV. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Vocal ensemble

Contemporary jazz vocal ensemble Moore by Four will perform twice at Penn State Erie, The Behrend College, on Friday, Feb. 17.

At noon the group will give a one-hour performance in the Wintergarden of the Reed Union Building, as part of Music at Noon. The Logan Wintergarden Series. At 7 p.m., Moore by Four will give a longer performance in the Wintergarden.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, February 9**  
Adult Learner Services, noon, 329 Boucke Bldg. Jim Fay on "Financial Planning: Money Management - An Overview."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Bassoon Quartet.

Lecture, 7:30 p.m., Palmer Upton Aud. Ken Aplekar on "Rembrandt's Problem."

School of Music, 8 p.m., HUB Fishbowl. Penn State Percussion Ensemble.

**Friday, February 10**

Gallery Talk, 1:30 p.m., Palmer Christoffers Lobby. Jennifer Olson on "Rembrandt's Etchings."

■ Geography, 4 p.m., 319 Walker. Hilma Soddy on "The Evolution of Human Mitochondrial DNA: The Southern African Evidence."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. "The Stanley Turrentine Quintet." Tickets required, call 863-0255.

**Saturday, February 11**

"Penn State Lectures on Frontiers of Science," 11 a.m., 101 Osmond Lab. Robin Tuttle on "Geometry and Evolution of the Universe."

Gallery Talk, 11:30 a.m., Palmer Christoffers Lobby. Debra Greenleaf on "Chairs, Chests, and a Clock: Antique Furnishings at the Palmer Museum of Art."

Film, 1 p.m., Palmer Upton Aud. "The Mirror of Paradoxes: Rembrandt's Self Portraits."

Center for the Performing Arts, 7:30 and 10 p.m., Schwab Aud. David Marshall's "Oleana." Tickets required, call 863-0255.

Celebration of Love, 7:30 p.m., Old Main. Chamber Singers. Tickets required, call 863-2142.

**Sunday, February 12**

Film, 1 p.m., Palmer Upton Aud. "Realms of Light: The Baroque."

**Monday, February 13**

■ Comparative Literature Luncheon, 12:15 p.m., 101 Kem. William Schmalstieg on "What are the Baltic Languages?"

**Wednesday, February 15**

Center for Women Students, noon, 120 Boucke Bldg. Discussion: "Eating Disorders."

Undergraduate Studies, noon, 305 HUB. Brown Bag Lunch on Advising.

Central PA Chapter of the Fulbright Association, 5 p.m., 222 Boucke Bldg. Michael M. Naydan, Mykola Riabchuk, and Maria Zubrytska on "Enriching Your Department: How to Attract Visiting Fulbright Scholars."

**Thursday, February 16**

■ International Lecture Series, 9:30 a.m., 222 Boucke Bldg. Alan Taylor on "Pandas and Bamboo Forest Conservation in China."

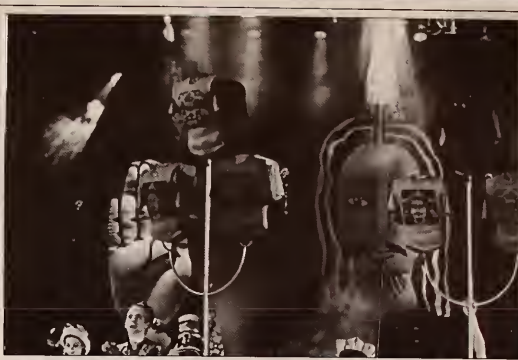
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Windwind Quartet.

Faculty Staff Club, 5:30 p.m., Boardroom. Nitany Lion Inn. Mardi Gras Night.

Waterbury Forum for Education and Cultural Studies, 7 p.m., Penn State Scanticon. Carol Becker on "Art, Pedagogy and the Struggle for Public Life."

Palmer Lectures, 7:30 p.m., Palmer Upton Aud. Graham Shearing on "Collecting Old Master Prints."

School of Music, 8 p.m., Eisenhower Aud. Penn State Philharmonic Orchestra.



"Jesus Christ, Superstar" at Eisenhower

Two performances of the musical "Jesus Christ Superstar" will take place at 8 p.m. on Friday and Saturday, Feb. 24 and 25, in Eisenhower Auditorium on the University Park Campus. For ticket information, contact the Eisenhower Auditorium Ticket Center at (814) 863-0255.

**Friday, February 17**

Dance Marathon, White Bldg. Through Feb. 19.

■ Geography, 4 p.m., 319 Walker Bldg. Alan Taylor on "Dynamics of Bamboo Forests and Implications for Panda Conservation in China."

University Resident Theatre Company, 8 p.m., The Playhouse. "Bedroom Farce." Tickets required, call 863-0255. Through Feb. 25.

**Saturday, February 18**

■ Touch of Africa Fair, HUB. Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tuttle on "Hot Beginning: The Big Bang."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Barber of Seville—New York City Opera National Company. Tickets required, call 863-0255.

**Sunday, February 19**

Gallery Talk, 1:30 p.m., Palmer Christoffers Lobby. Efram Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 2 p.m., Recital Hall. Organ Studio Recital.

Center for the Performing Arts, 3 p.m., Eisenhower Aud. Steve Love's New York Express Roller Dance Show. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Susan Boardman, soprano, and Carl Blake, piano.

## PUBLIC RADIO

WPSU-FM 91.5

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, February 9**

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Ramesh Narayan on "Accretion Disks Around Black Holes." Also, 3:30 p.m., 101 Osmond Lab on "Gravitational Lenses."

Adult, Continuing, and Distance Education, noon, 201 Keller Bldg. Forest Wortham on "Balancing Theory and Real Life Experiences When Planning Employee Training Programs."

Veterinary Science, 3:30 p.m., 111 Henning Bldg. C. Chandra Reddy on "Strategies for Developing a Research Proposal."

Biology, 3:45 p.m., 105 Ferguson Bldg. Robert B. Waide on "Distribution and Conservation of Neartic Migrant Birds Wintering in the Caribbean."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Mark Traband on "A Statistical Approach to Tolerance Evaluation using Coordinate."

**Friday, February 10**

Economics, 10 a.m., 413 Kern Bldg. Allan Drzen on "Capital Account Liberalization as a Signal."

Physics, 2:30 p.m., 55 Osmond Lab. Steve Sibener on "Scattering Studies of Surface Dynamics and Metallic Oxidation."

Agronomy, 3:35 p.m., 101 ASI. Lynn Hoffman on "Continents Apart, World of Difference."

Mathematics, 4:30 p.m., 102 McAllister Bldg. Marco Avellaneda on "Mathematical Finance, Derivative Securities and Nonlinear PDEs."

**Saturday, February 11**

Lorenzo Da Ponte Symposium, Nitany Lion Inn Boardroom. Olga Rigusa, 4 p.m.; Feb. 12, Ronald Rubin, 9:30 a.m. and Daniel Heartz, 11 a.m. For Venetian banquet and concert information and registration forms, call 865-0495.

Center for Gravitational Physics and Geometry, 11 a.m., 101 Osmond Lab. Robin Tuttle on "Geometry and Evolution of the Universe."

**Monday, February 13**

Economics, 3:30 p.m., 413 Kern Bldg. Ani Dasgupta on "Market Power and Contract Length."

Gravitational Physics and Geometry, 3:30 p.m., 101 Osmond Lab. Abhay Ashtekar on "Gravity Waves with a Translational Symmetry."

**Tuesday, February 14**

Chemical Engineering, 9 a.m., 140 Fenske Lab. Tim Barbani on "Molecular Association and Solvation Effects on the Diffusion of Small Molecules in Polymers."

Biology, 4 p.m., 8 Mueller Lab. Barry Sinervo on "Costs of Reproduction of Free-Ranging Lizards: Acute Natural Selection Associated with the End of a Drought."

Graduate Program in Nutrition, 4 p.m., S209 Henderson Bldg. South. Julian B. Marsh on "The Effects of Over-Expression of Human Apolipoprotein E-1 on the Hyperlipidemia of the Nephrotic Syndrome in Rats."

Geosciences, 4 p.m., 112 Walker Bldg. Anna Baros on "Orogaphic Precipitates."

**Wednesday, February 15**

■ Agronomy, 2 p.m., 101 ASI Bldg. M. Greg Lambert on "Sustainable Pastoral Agricultural Research in New Zealand."

Electrical Engineering, 2 p.m., 123 EE East. Leslie C. Hale on "A New Paradigm for Atmospheric Electrodynamics."

**Thursday, February 16**

Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Eli Hawkins on "Quantum Gravitational Collapse of a Charged Dust Shell."

Adult, Continuing and Distance Education, noon, 201 Keller Bldg. William Rothwell on "Models on Human Resource Development."

Computer Science & Engineering, 4 p.m., 302 Pond Lab. Shyhshun Felix Wu on "Epsilon Consistent Real Time Monitoring for Rapidly Changing Data."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. James Young, speaker.

**Friday, February 17**

Forest Resources, 12:25 p.m., 205 Ferguson Bldg. John Stantur on "Southern Bottomland Hardwoods: Productivity, Resilience and Restoration."

Economics, 3:30 p.m., 413 Kern Bldg. Simon Grant on "Strategic Trade Policy Under Uncertainty: Sufficient Conditions for the Optimality of Ad Valorem, Specific and Quota Trade Taxes."

Agronomy, 3:35 p.m., 101 ASI. Clyde Elmore on "Vegetation, A Weed Management Tool."

## CONFERENCES

**Saturday, February 11**

The DA Ponte Symposium, 60 attendees, The Nitany Lion Inn. Through Feb. 12.

**Sunday, February 12**

Game Bird Conference, 75 attendees, Days Inn Penn State. Through Feb. 14.

**Monday, February 13**

Program for Logistics Executives, 20 attendees, The Nitany Lion Inn. Through Feb. 23.

**Friday, February 17**

AIM High. Young Women's Leadership Con-

See "Calendar" on page 10



## Penn State QUALITY EXPO 95

Share Celebrate  
DATE: April 6, 1995 TIME: 11:30 a.m. - 3:30 p.m.  
PLACE: Nittany Lion Inn and Scanticon

Plan to take a shuttle from the Nittany Lion Inn to the Team Decision Center at Scanticon on April 6. As a part of the Quality Expo 95, two 45-minute sessions will be presented at the center, says David Weidner, manager. Participants will be able to register for a morning or afternoon session prior to the event. The center provides interactive computer technology to facilitate team decision making. Read this column for further updates on the Expo, or see the e-mail bulletin board, CQI/CENTER.

## A Bridge From LIAS to IBIS

A recent collaborative venture between the Office of Administrative Systems, Library Computing Services, Accounting Operations, and the University Libraries has re-engineered and streamlined the invoicing and payment process of purchasing library materials. Now, payment vouchers are created in the Libraries' LIAS acquisitions system and are transmitted electronically through file transfer protocol to IBIS, the University's accounting system. Previously, the invoicing and payment process involved triple data entry into systems of the Libraries' Acquisitions and Accounting Departments and the University's Accounting Operations.

Planning for the bridge between the LIAS acquisitions system and IBIS began with the formation of the Libraries Materials Budget Invoice Processing CQI Team. The goal of the team was to improve the efficiency, effectiveness, and timeliness of receipt and payment of library materials.

Following the first few meetings to discuss the scope of the project, staff from the Office of Administrative Systems and Library Computing Services began to develop and test the technical transfer of files. On Nov. 10 the first payment vouchers generated in the LIAS acquisitions system were posted directly into IBIS.

"Being able to send the payment vouchers electronically is a tremendous advantage to the University," remarked Associate Dean Gloria St. Clair, who spearheads the Libraries' CQI efforts. "It improves accuracy, saves time by entering the data one time, and reduces costs to enter the data and create purchase orders." The cost savings in staff time is estimated to be slightly over \$77,500.

Ken Blythe, director of the Office of Administrative Systems, commented, "Vendors are also receiving payments more promptly, and the units involved have a clearer understanding of each organization's systems and business processes. My hat is off to the folks who collaborated on this project to make it possible." Recently the sponsors held a reception to recognize team members' efforts.

Participating on the CQI project were Patricia Auker, Tun Chin, Robert Crothers, Peter Devries, Eric Ferrin, Lori Fyock, Michael Gerber, Marylou Houck, Betty Langham, Clyde Lefevre, Betty Nimmerger, Kathy Plavko, and John Porta.

## Malcolm Baldrige Award Criteria for Education

To obtain a copy of the new Baldrige "Education Pilot Criteria 1995," phone 301-975-2036.

## Obituaries

Mayr L. Dodds, professor emerita of foods and nutrition in the former College of Home Economics, died Dec. 28.

She earned her bachelor's degree in chemistry and her master's degree and doctorate in biochemistry from the University of Pittsburgh.

Before coming to Penn State, she was an industrial fellow at the Mellon Institute for 12 years. She had also been a Senior Buhl Fellow at the University of Pittsburgh and a research nutritionist at the University of Tennessee.

In 1957, she received the Borden Award as the nation's outstanding researcher in nutrition.

Dr. Dodds was a former vice president of the research section of the American Home Economics Association, a member of the American Chemical Society, the American Dietetic Association, the Institute of Nutrition, and the Institute of Food Technologists.

Memorial contributions may be made to Mayr L. Dodds Loan Fund in Nutrition, in care of The Pennsylvania State University, Office of University Development, 1 Old Main, University Park.

Zenda B. Fehrenbach, administrative assistant, College of the Liberal Arts, from Sept. 1, 1952, until her retirement July 1, 1968; died Dec. 24, 1994. She was 91.

Charles R. Marsh, retired associate professor of engineering at Penn State Harrisburg, died Jan. 4 at the age of 83.

He joined the faculty at University Park Feb. 25, 1948, as assistant professor of electrical engineering; was promoted to associate professor of electrical engineering, and later joined the faculty at Penn State Harrisburg. He retired July 1, 1971.

Jeannette A. Miller, utility maintenance worker, Office of Physical Plant; from May 25, 1970, until her retirement Jan. 1, 1989; died Dec. 29 at the age of 68.

Paul W. Over, utility worker A, Penn State Altoona Campus; from Feb. 11, 1979, until his retirement June 1, 1992; died Dec. 21 at the age of 60.

Della S. Short, extension home economist, College of Agricultural Sciences; from Sept. 1, 1948, until her retirement July 1, 1967; died Dec. 29 at the age of 91.

Margaret E. Shultz, secretary/librarian, College of Arts and Architecture; from Oct. 1, 1941, until her retirement Jan. 1, 1976; died Jan. 6 at the age of 78.

## Arts

continued from page B

Admission to both events is free.

Moore by Four, an ensemble of four polished vocalists and five instrumentalists, is a three-time winner of the Minnesota Music Award for "Best Contemporary Jazz Group." Although the group originally specialized in the music of the swing era, it has expanded its repertoire to include contemporary jazz, blues, latin, gospel, original compositions, and new arrangements of the great standards from Broadway, Hollywood, and Harlem.

## Blues at Behrend

Bluesman KJ, James will appear at Penn State Erie, The Behrend College at 9 p.m. Saturday, Feb. 18, in Bruno's Night Club, Reed Union Building. The performance is open to the public.

A gifted singer and guitarist, Mr. James' act covers the entire spectrum of blues. Formerly known as "Dr. Blue," he has toured the country extensively playing major festivals, coffeehouses, special events and colleges. He has shared the stage with top recording stars, including legendary blues musicians John Hammond and John Lee Hooker.

For more information about the show, contact the Office of Student Activities at 898-6171.

## The arts at ... Berks

Arin Raman has been selected to judge the Nittany Lion Juried Exhibition, which will be on exhibit March 13 through April 20 at the Freyberger Gallery, Penn State Berks Campus.

This highly competitive exhibition features outstanding works of Pennsylvania artists and strives to promote the best of regional artists.

Ms. Raman has been the director of the gallery at the NEXUS Foundation for Today's Art in Philadelphia since 1984. She has extensive experience in curating innovative, contemporary exhibitions.

A public reception will be held from 5 to 7 p.m. Friday, March 17.

## Calendar

continued from page 9

ference, Penn State Scanticon Conference Center. Through Feb. 18.

Sunday, February 19

Aramark Executive Program, 30 attendees, The Nittany Lion Inn. Through Feb. 24.

## EXHIBITS

HUB Art Alley Panels:

Parsons School of Design Poster exhibit, through Feb. 19.

HUB Art Alley Media:

"International Mixed Media," through Feb. 20.

HUB Formal Gallery:

"I Dream A World: Portraits of Black Women Who Changed America," through March 25. Also in Browsing Gallery.

Kern Panels:

"Palmore Clarke Photography," through Feb. 21.

Kern Gift and Tall Cases:

"Carri Genishes Ceramics," through Feb. 21.

Palmer Museum:

"Rembrandt Etchings: Selections from The Carnegie Museum of Art," through March 5.

Pattee Main Lobby:

An exhibit highlighting the Libraries' collections in women's history. Through March.

"He Had A Dream," exhibit honoring the life of Martin Luther King Jr. Through Feb. 28.

Pattee West Lobby Gallery:

Ansen Kenyon's work that includes watercolors of flowers and Central PA landscapes, through Feb. 28.

Zoller Gallery:

"States of Contrast: Contemporary South African Printmaking," through Feb. 26.

■ Reflects an international perspective



## "Coming Out" is a Lifelong Process

Struggling with their sexual identity, gay and bisexual men face fear, acceptance

For most college students, college life represents freedom from parents and high school social networks. That's part of the reason many gay students "come out" — acknowledge their own sexual orientation and disclose it to others — after they get to college, a University researcher says in a new book.

For gay college students, coming out is "ultimately liberating, even though it can be fraught with many fears and doubts," Robert A. Rhoads, research associate in the Center for the Study of Higher Education, said.

"Of the 40 gay male college students I interviewed for the book, 35 are 'out,' and they describe coming out as one of the most significant experiences in their lives. Many call it 'a great relief' that has been 'freeing' and 'empowering' — but some also say it is frightening and challenging."

In the book, *Coming Out in College: The Struggle for a Queer Identity*, Dr. Rhoads reveals the experiences of gay and bisexual college men as they struggle to develop a sense of identity.

"Most of the students in the study describe the coming-out process as a rebirth," he said. "Again and again, over the two years of my study, I heard stories of the transformations students underwent as they entered a new realm of public recognition and visibility."

However, Dr. Rhoads noted, while none of the 35 "out" students taking part in the study suggested any regrets, six of them (17 percent) found that the process was not the overwhelmingly positive one the others described.

Although the college experience can be emancipating, Dr. Rhoads said "for gay students who come out it can also be an intense and dangerous struggle. One of the students in the study has a scar beneath his eye from the time he was beaten up because he commented on another man's attractiveness. Another was harassed continually by fellow students in his dorm. A third was assaulted by several fraternity members. Every one of the 40 students I interviewed reported ongoing feelings of fear. One student said, 'It's just something you learn to live with.'"

Dr. Rhoads also emphasizes that while coming out is liberating for most gay college students, it is only the beginning of an ongoing process.

"What I learned from the study is that coming out is not a single event. It's a lifelong process, because gay students who are already 'out' have to continually come out to people who assume they are heterosexual. Coming



Robert A. Rhoads standing in front of Schwab Auditorium on the University Park Campus. Schwab is the site of the annual National Coming Out Day.

Photo: Greg Grieco

out the first time is very significant for gay students. But then they find out that they have to continue to come out for the rest of their lives, over and over and over again."

Dr. Rhoads concludes that campuses need to do more to eliminate hostility and discrimination against lesbian, gay and bisexual students and staff. His recommendations for accomplishing that include organizing student and faculty groups that support gay rights; overturning discriminatory policies and practices, such as domestic-partners benefits that exclude lesbian, gay and bisexual couples; handling harassment of and discrimination against gay people the same way racist and sexist behavior are handled; increase the number of programs that deal with heterosexism and homophobia, and encourage research into the lives of lesbian, gay and bisexual people topics.

"Research and teaching are interactive," he said. "What gets researched gets taught, and what gets taught gets researched. Faculty at colleges and universities across the country should be encouraged to investigate gay issues, and disincentives against doing so should be removed."

*Coming Out in College* is published by Bergin & Garvey, Westport, CT, as part of its "Critical Studies in Education and Culture" series.

Henry Giroux, co-editor of the series with Paulo Freire, is the Waterbury Professor in secondary education in the College of Education. A well-known critical theorist, Dr. Giroux is director of the Waterbury Forum for Education and Cultural Studies and a faculty member in the Graduate Program in Social Thought at Penn State.

— Alan Janesch

Research  
**Roundup**  
You know when you've had enough

**A**ll you had were a couple of beers, but you still feel pretty smashed.

Trust yourself. Don't drive. Even if you're under the .10 blood alcohol content (BAC) limit and not legally drunk, that doesn't mean you'll be a safe driver.

That's the message Mary E. Nicholson, professor of health education and biobehavioral health, and her colleagues would like to see incorporated into alcohol education programs.

In a recent study, the researchers showed that test subjects' perceived level of intoxication was significantly related to actual performance impairment while actual BAC was less so.

Data from the study corroborates earlier findings suggesting that BACs of .06 or less can impair the ability to manipulate vehicle controls and the capacity to respond to unexpected events. In addition, they show that a person can effectively perceive when this impairment occurs.

## Call me Dave

Simply having bosses and their subordinates use each others' first names may do more to level power differences between them than most formal strategies pitched today.

"Call me 'Dave,'" said David A. Morand, assistant professor of management at Penn State Harrisburg. "If I were your boss and told you that on your first day of work, it would set an immediate positive tone for our whole relationship."

Dr. Morand's explorations of on-the-job naming practices suggests that subordinates today are increasingly likely to call their superiors by first name.

"But we have to ask ourselves, does it really matter that a blue-collar worker can address the CEO by first name? I believe that eliminating it's not a magical key to eliminating all status differences, it may be an important gateway to setting relations on a novel footing."

## PROMOTIONS

### Staff

Brian C. Clark, director in Office of The President.

Michael H. Blanco, director in Office of The President.  
James N. Duncan, manager, Network and Information Systems, in Applied Research Lab.  
Richard H. Follett, associate director, Information and Systems Operations, at The Hershey Medical Center.

Lori D. Freedman, staff assistant V at The Hershey Medical Center.  
Gail G. Gilchrist, admissions officer at Penn State Shenango Campus.

Margo C. Groff, assistant director in Office of The President.

Jeffrey P. Gugino, academic counselor in College of The Liberal Arts.

Kevin R. Gutshall, research support technologist in The Eberly College of Science.

Brenda G. Hamelster, director in Office of The President.

Denise E. Hessler, staff assistant V in College of Engineering.

Christy J. Hooven, staff assistant VI at The Hershey Medical Center.

Christopher M. Hurley, director, Housing and Food Services, in Housing and Food Services.

Sean C. Kelly, director, Student Affairs I, at Penn State DuBois Campus.

Patricia C. Kilmartin, senior designer, Electromechanical, in Applied Research Lab.

Edelyn L. Miller, manager, Systems Planning, at The Hershey Medical Center.

Robin C. Miller, supervisor, Property Inventory, in Corporate Controller's Office.

Larry P. Minnick, cardiovascular technician trainee, at The Hershey Medical Center.

Carol Oakes, staff assistant VI at Penn State Ogonitz Campus.

Jami J. Rauch, administrative assistant II in Division of Development and University Relations.

Brenda L. Ross, administrative assistant I in College of Arts and Architecture.

Shelley A. Rudy, staff assistant VI in Applied Research Lab.

Paul J. Scanlon, manager, Food Services I, in Housing and Food Services.

Tiffany V. Schultz, staff assistant VI in College of Agricultural Sciences.

Glenda H. Shoop, program coordinator IV at The Hershey Medical Center.

Sheryl A. Smith, staff assistant VI in Office of Human Resources.

Kimbra A. Stever, staff assistant V at Penn State Altoona Campus.

Virginia B. Struble, staff assistant VI in College of The Liberal Arts.

Melissa D. Surwec, staff assistant V in The Smeal College of Business Administration.

Edna I. Texidor, staff assistant VI in Housing and Food Services.



### In the shadows

Students Jamie Rayman (left) and Brian Lambert take in the campus sights from the terrace over the HUB eateries at University Park, in this photo taken by Amy Nicholas, an advanced photojournalism student in COMM 269. The course is taught in the School of Communications.

## Penn Staters

Karen Bracey, extension agent in Wyoming County, has received an Achievement Award from the National Association of Counties for her work in an interagency county program called Building Strong Families.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, has been honored with an award for his research on "Ceramic Nanocomposites Via the Sol-gel Route" by the National Association for Science, Technology and Society (NASTS) with the cooperation of the Federation of Materials Societies at the National Press Club in Washington, D.C.

The NASTS recognized Dr. Komarneni's research as "one of two dozen

examples of real materials research in the last decade which will or has affected technology and thence society."

Arne Luechow, postdoctoral research associate in the Department of Chemistry, has been awarded the Feodor Lynen Fellowship by the Alexander von Humboldt Foundation of Bonn, Germany. The fellowship provides a stipend and expenses for three years of study and research in the United States.

Claudette Tharp, youth education programs project manager in Chester County, has received the DeWitt Wallace-Reader's Digest Fund Youth At Risk Award from the National Association of Home Economists.

## FACULTY / STAFF ALERT

### Education Abroad Fair

Faculty and students are invited to attend an Education Abroad Fair Program at 7 p.m. Wednesday, Feb. 15, in the International Lounge, Boucke Building on the University Park Campus.

Students who have studies abroad and international students from countries where Penn State has programs, will be on hand to discuss life and studying abroad.

## CARPOOLERS

Looking to carpool from Lewistown to University Park. Work hours are 7:30 a.m.-4:30 p.m. Monday through Friday. Call Pat at 865-0427.

## PENNSTATE INTERCOM

Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
Address correction requested

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Lisa M. Rosellini, editor  
Kathy Norris, staff assistant/calender

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# INTERCOM

February 16, 1995

Volume 24, Number 21

## Smeal MBA program rated high in nation

The Smeal College's MBA program is one of the nation's "up and comers," according to the current edition of *Business Week* magazine.

Listed among Penn State's peers in an alphabetized list of business schools were Yale, USC, Georgetown, Case Western, and the University of Washington, along with the Big Ten's Michigan State, Illinois, Iowa, Minnesota, and Wisconsin. Conducted biannually, the *Business Week* ratings are based on surveys of how satisfied students are with the education they receive and how satisfied companies are with the graduates they hire from each school.

"Once again this marks us as one of the top public business schools in the country and well positioned for the future," J.D. Hammond, Smeal College dean and holder of the William Elliott Chair of Insurance, said. "The effect of our new curriculum is beginning to be felt and I am confident we will continue to move forward."

Touched on in *Business Week's* notes about the Smeal College, Penn State's new MBA program was launched in 1993 and will have its first graduates this year. The program features a tough, integrated core of business courses while also offering students the flexibility to develop a management specialty in any of a broad number of business and non-business topics. The overall approach to subject matter provides a critical balance.

Within the past year, Glenn A. Pitman became the new director of The Smeal College MBA program, bringing with him experience as dean of the F.E. Seidman School of Business at Grand Valley State University and of the School of Business at the University of Southern Indiana. A Smeal College doctoral alumnus in marketing, Dr. Pitman also was director of the MBA program at the University of Connecticut.

He has been joined by Paul G. Poissant as the new director of professional development; James H. Hoy, admissions and marketing manager, and Robert K. Prescott, director of corporate services. All three have significant management and business experience.

*Business Week's* release this week of its up and comers list follows by three months the publication of its top 20, led by the University of Pennsylvania's Wharton School. In all, the magazine considers less than approximately 15 percent of all accredited MBA programs in the U.S. for top 20 and runners up recognition. Four Pennsylvania schools are in this group. Carnegie Mellon is rated along with Wharton in the top 20, while Pitt is rated with Penn State among the up and comers.

The magazine acknowledges a typographical error in its estimate of average Graduate Management Admissions Test (GMAT) scores for students entering The Smeal College MBA program. A correction changing the number from 58 to 580 is expected in the next edition, along with a similar correction for Southern Methodist University.



Muscling in on the job

Roger Hammer (right), from the Office of Physical Plant, passes a board to co-worker Ken Stewart (lower left) while working in the frigid temperatures to replace the steps on the U.S. Regional Pasture Research Laboratory at University Park. This photo was taken by photojournalism student Amy R. Miller.

## Paterno to give ethics lecture

Head Football Coach Joe Paterno will deliver the Seventh G. Albert Shoemaker Lecture in Business Ethics at University Park March 18. As the latest distinguished lecturer in the G. Albert Shoemaker Program, he helps advance studies in business ethics made possible through a \$100,000 gift from the late G. Albert Shoemaker and his wife, Mercedes, of Pittsburgh.

The Shoemaker Program, administered through The Smeal College of Business Administration, provides an ongoing forum where students, scholars, and business leaders can exchange views on one of the most critical issues in management today. Over the years, the Shoemaker Lecture has brought to the University community top American executives and intellectuals who shared their perspectives on business ethics.

Known for leading an exemplary football program which stresses the importance of the student-athlete, Coach Paterno has stressed over the years that football is meant to serve education, not the other way around. Among his numerous philan-

thropic involvements, he is chair of the successful fund drive to provide the Pattee Library with \$10 million in private support and has been a significant benefactor to numerous University fund-raising efforts.

Penn State's 14th head coach in over a century of football tradition at the University, he succeeded Charles A. "Rip" Engel in 1966. Since then, he has been a four-time choice of the American Football Coaches Association as Coach of the Year and, in 1991, he earned the College Football Hall of Fame's Distinguished American Award, along with numerous other accolades.

Coach Paterno is one of the nation's winningest football coaches, ranking with the likes of legends Ames Alonzo Stagg, Pop Warner, and Paul Bryant. Highlights of his tenure have been National Championships in 1982 and 1986, and 25 bowl game appearances, including a win over the Oregon Ducks this year in Penn State's first Rose Bowl appearance since 1923.

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# Inside



It's time again.  
The IFC/Panhellenic Dance Marathon  
starts this weekend.  
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### Focus on Research

Is your child shy? She may not be, it could be her ears.

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## Fayette women's series continues

The three-part "Women After Work" series will continue at the Penn State Fayette Campus with its second workshop, *The Communication Compass: A Tool in Managing Difficult People (Turning Lemons into Lemonade)*, at 6:20 p.m. Tuesday, Feb. 21.

"Women After Work" is a spin-off of Penn State Fayette's Annual Women's Day on Campus program. The series of three workshops has been planned to focus on women's health, personal development and workplace issues.

Success and enjoyment within the workplace requires one to "get along" with a variety of people such as customers, co-workers, supervisors, and superiors. *The Communication Compass: A Tool in Managing Difficult People* will reveal a new method of dealing with this challenge and improving the communication process.

## Program to bring together local and university

The Penn State Gerontology Center is developing an Outreach Program to foster a partnership between the University and senior citizens in the State College area. Through the program, the center will offer its resources on aging and in return will provide volunteer opportunities for seniors.

Plans have begun on the first volunteer activity, a clearinghouse of aging-related information and services.

## The center will offer its resources on aging and in return will provide volunteer opportunities for seniors

The clearinghouse will take two forms. The first is a booklet of the University's services and programs targeted specifically to a senior audience. In its second form, clearinghouse information will be entered on computer and made available to the public via a telephone "hotline." Seniors manning the hotline will be able to give appropriate referrals on University, local and national resources.

Volunteer activities will continue to be developed through the Outreach Program, helping the center and local senior citizens grow as resources to each other and to the University at large.

For further information, contact the Outreach Program coordinator, Melanie Lynch, at 105 Henderson Building South, 865-1710.

## CEO search under way for Beaver and New Kensington

Advisory search and screen committees have been appointed for the position of campus executive officer at the Penn State Beaver Campus and the Penn State New Kensington Campus.

The CEO is the chief administrative officer of the campus and is responsible for administering all of its University programs. The CEO also is responsible for maintaining close relationships with the communities in the campus service area.

Candidates should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration.

John Simpson, assistant professor of chemistry at the Beaver Campus, is chair of the Beaver Campus Advisory Search and Screen Committee. Mem-

bers are:

John Cicciarella, assistant professor of environmental science; James Dietrich, Student Government president; Donna Kuga, assistant professor of exercise and sport science; James Luce, instructional services specialist, and Emma Rocco, associate professor of music, all at the Beaver Campus; Linda Higginson, administrative fellow, Commonwealth Educational System, and Allen Meadows, campus executive officer at the Penn State Altoona Campus.

Arlene Hall, assistant professor of exercise and sport science at the New Kensington Campus, is chair of the New Kensington Campus Advisory Search and Screen Committee. Members are:

Patrick Canro, assistant professor

of business administration; Clarence Finley, assistant professor of chemistry; Carl Meyerhuber, associate professor of history; Michael Robinson, Student Government president; and Vergene Wolfe, staff assistant, all at the New Kensington Campus; Donald Cognigni, campus executive officer at the Penn State York Campus; and Wayne Hagar, professor and head, School of Engineering Technology and Commonwealth Engineering.

Applications and nominations will be received until a suitable candidate is selected. They should be sent to John Leathers, associate vice president, Commonwealth Educational System, 111 Old Main Building, Department CHEN, University Park, PA 16802.

## Faculty/Staff Alerts

### Healthy Happenings

To register for the following programs offered at University Park, contact Jan Jawbaker at the Office of Faculty/Staff Health Promotion, 865-3085, or JH3085@UADMIN.

■ **Cart-Smart Shopping Tour**, Feb. 22 — Learn how to find your way through the "mazy maze" so that you can enjoy the most healthful items that are the most healthful. Meets from 4:30-5:45 p.m. at the Bi-Lo Food Market, North Atherton Street. Cost is \$5, reimbursable through the HealthAmerica HMO.

■ **Understanding Alzheimer's**, March 2 — This brown-bag program will help participants understand the disease and explore ways to find help and support for those who are affected by it. Meets noon-1 p.m. in the Living Center, 110 Henderson Building. Cost is free.

■ **Fresh Start Smoking Cessation** — The American Cancer Society's Fresh Start Smoking Cessation Program teaches participants how to deal with smoking as a chemical addiction, a habit, and a psychological dependency. Meets March 13, 15, 20 and 22 from 1-2:30 p.m. in the Bronze Dining Room at Pollock Commons.

### Handicapped-accessible copiers

Grange Copy Center, an auxiliary service center under the Office of Business Services on the University Park Campus, has available a coin-operated copier with an articulated keyboard for improved accessibility and use by members of the University community. The copy center, which is handicapped accessible, is located at 11 Grange Building and is open Monday through Friday, 8 a.m. to 6 p.m.

### HRDC courses

The following courses are being offered by the Human Resource

Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course brochure.

■ **Facilitator Training III (CQ1 007)** — Facilitator training introduces management tools and techniques introduced in Facilitator Training I and II. The primary emphasis is on performance measures and control charts. Meets Wednesday, March 1, 9 a.m.-noon, 319 Rider Bldg.; cost: none.

■ **HIV/AIDS Spread Facts Not Fear (WEL 012)** Designed to prepare faculty and staff to become members of Penn State's "Ask Me About AIDS" network, providing resource/referral information to members of the Penn State community on a voluntary basis. Meets Wednesday, March 1, 1-4 p.m., 319 Rider Bldg.; cost: none.

■ **Intermediate IBIS (ADC 004)** Designed to allow the more experienced IBIS user to take advantage of some of the more advanced IBIS features. Meets Thursday, March 2, 1-4 p.m., 116 Wagner Bldg.; cost: \$40.

■ **Career Actualization and Life Planning for Women (CAR04)** Designed for women seeking educational and career information to help them deal with changing life and work circumstances. Participants obtain insights and answers that can be used to choose educational options and career directions. Meets Fridays, March 3 and 17, 8:30-11:45 a.m., 319 Rider Bldg.; cost: \$65.

■ **Overview of Different Types of Work Teams (PRO 033)** Provides an overview of work team concepts and applications. Various types of work teams are identified, compared, and contrasted. Meets Tuesday, March 7, 8:30-11:45 a.m., 319 Rider Bldg.; cost: \$35.

■ **Powerful Communication Skills (COM 005)** Provides participants with skills and strategies for developing a more powerful communication style. It focuses on components of confident

communication and provides examples of passive, assertive, and aggressive behavior. Meets Thursday, March 9, 1:15-4:45 p.m., 324 Agricultural Science and Industries Bldg.; cost: \$35.

■ **Fresh Start Smoking Cessation (WEL 011)** A straightforward and no-nonsense quit smoking program that helps participants deal with smoking as a chemical addiction, a habit, and a psychological dependency. Led by a trained American Cancer Society facilitator, the four sessions are designed to help prepare the participant for the quitting process. Meets Mondays and Wednesdays, March 13, 15, 20, and 22, 1-2:30 p.m., the Bronze Room, Pollock Commons; cost: none.

■ **PageMaker 5.0 Complete (IBM 011)** Deals with more progressively complex and powerful capabilities of PageMaker. Meets Monday, Wednesday, and Friday, March 13, 15, and 17, 1-5 p.m., 116 Wagner Bldg.; cost: \$150.

■ **Introduction to Lotus DOS 3.1 (IBM 009)** Participants will work with real business data to illustrate how to create and format a spreadsheet, enter data and formulas, store and recall information, and print completed spreadsheets. Meets Tuesday and Thursday, March 14 and 16, 1-4:30 p.m., 116 Wagner Building; cost: \$90.

■ **Issues of Sexual Orientation in the Workplace (DIV 005)** Provides an opportunity to learn how our attitudes about sexual orientation influence our work lives. Meets Wednesday, March 15, 1:30-4:30 p.m., 319 Rider Bldg.; cost: none.

■ **Making Work Stations Safe for You (WEL 059)** Provides basic information on the anatomy and functions of the back, neck, and upper extremities, as well as the effects of forces on the body at employee workstations. Meets Wednesday, March 15, 2-4 p.m., 118 Agricultural Science and Industries Bldg.; cost: none.



# LECTURES

## U.S. Department of Education official to speak Feb. 21

David Johnson, senior program officer for the U.S. Department of Education's Fund for the Improvement of Postsecondary Education (FIPSE), will speak at 11:15 a.m. Tuesday, Feb. 21, in 111 Chambers Bldg. at University Park.

Dr. Johnson will discuss grant opportunities through FIPSE's Comprehensive Program, which awards annual grants across a variety of areas such as designing curriculum reform, making access meaningful, fostering international education initiatives, creating faculty develop-

ment programs, assessing for improvement, reforming graduate and professional education, and using new technologies. The main objective of the program is to foster new ways of achieving the goals of postsecondary education across a variety of contexts.

FIPSE is interested in projects that are comprehensive, action-oriented, take risks, and are responsive to problems. FIPSE awards one, two, and three-year grants ranging from approximately \$15,000 to \$150,000 per year.

## New lecture series sponsored by Waterbury Forum begins

"Education and the Crisis in Public Life" is the theme of a new lecture series designed to explore the relationship between cultural studies, secondary education and the revitalization of democratic public life.

The series, which is open to the public, is sponsored by the Waterbury Forum for Education and Cultural Studies, along with Continuing and Distance Education and the College of Education.

The lectures are scheduled for 7 p.m. at The Penn State Scanticon Conference Center Hotel:

— Thursday, Feb. 16 — Carol Becker, dean of the School of the Art Institute, Chicago, on "Art, Pedagogy and the Struggle for Public Life." She will discuss the social responsibility of the artist and the pedagogical importance of this perception for all students.

— Thursday, March 16 — Roger I. Simon, professor of education, Department of Curriculum and Instruction, Ontario Institute for Studies in Education, on "Higher Education and the Promise of Cultural Studies." He will discuss the importance of cultural studies in addressing what it means to educate students to be public intellectuals.

— Thursday, April 20 — Donald Macedo, professor of English and graduate program director of Bilingual and English as a Second Language Studies, University of Massachusetts—Boston, on "Literacy and the Tongue-Tying of America." He will share his thoughts on the importance of language and cultural differences in expanding and deepening democratic public life.

## Paterno

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A native of Brooklyn, N.Y., he earned a bachelor's degree from Brown University before being selected as an assistant to Coach Engel.

In 1966, the inaugural Shoemaker Lecture was delivered by Clarence C. Walton, the Charles Lamont Post Distinguished Professor of ethics and the professions at the American College. Succeeding Dr. Walton have been Fletcher L. Byrom, retired chair of the Koppers Company, Inc.; Edgar S. Woolard, chair and chief executive officer of E.I. du Pont de Nemours & Co.; U.S. District Judge Stanley Spence; William A. Schreyer, chair emeritus of Merrill Lynch & Co.; and Vincent A. Sarni, chair and chief executive officer of PPC Industries.

G. Albert Shoemaker was the president of the Consolidation Coal Company and president emeritus of the Penn State Board of Trustees. He was a 1923 graduate of the University who served actively on the board for more than 20 years, from 1957 to 1978. For three of those years he served as president. A native of Parkersburg, Pa., he was named a distinguished alumnus of Penn State in 1965.

Coach Paterno will deliver the seventh Shoemaker Lecture to an invited audience of 350 students, faculty, staff, and friends of The Smear College at 6:45 p.m., in the main ballroom of the Nittany Lion Inn.

## News in Brief

### Research subjects sought

Ann Crouter and Susan McHale, professors of human development, are seeking families to participate in a study of family life.

The researchers, who are studying similarities and differences in the experiences of two children growing up in the same family, are looking for two-parent families in which the oldest child is at least in fifth grade and has at least one younger sibling (preferably about two years younger).

The study involves a home interview with each family member, then a series of seven telephone interviews in which the researchers ask how family members spend their day. The researchers will repeat the interviews one year later and again two years later; families will be paid \$100 for each year of the study. The project is funded by a grant from the National Institutes of Health.

Interested families can call the Penn State Family Relationships Project office at 865-0098 for more information.

### Professional Women

Professional Women at Penn State will hold an Open Agenda program for its Tuesday, Feb. 21, meeting at University Park.

The brown-bag lunch meeting will begin at 11:45 a.m. in 12 Sparks Building with an opportunity for informal networking. The program will consist of impromptu discussions on topics brought to the meeting by the participants. The main focus of the discussion will be "Professional Women: Accomplishments and Goals."

Professional Women at Penn State is a grass-roots organization coordinated by University women in which participants are able to develop and maintain a communications network and serve as a resource for other Penn Stateans.

The organization welcomes attendance by both male and female persons at all employment and student classifications throughout the University.

### Basic movement skills

A free program in basic movement skills and games will be sponsored by the College of Health and Human Development for children ages 5 through 8, beginning Feb. 21. It will be held in Room 126 White Building at University Park from 3:45 to 4:25 p.m., Tuesday, through April 4.

Individual help will be available for any kindergarten or first-grade child who requires assistance in any area of motor development. Registration is at 3:35 p.m., Feb. 21 in Room 126 White Building. Contact: 863-3451.

### Offices moved

The School of Communications Alumni and Public Relations and Development Offices have moved from James Building to 208 Carnegie Building on the University Park Campus. The telephone and fax numbers remain the same. They are: phone: (814) 865-8801, fax: (814) 863-6134.

### Adviser sought

The Pennsylvania State University Veterans' Organization (PSUVO) is looking for a new faculty adviser. Founded in 1968 by returning Vietnam veterans, PSUVO was initially a social organization that helped to provide support for those veterans dealing with the emotional, financial, and academic hardships of returning to college and civilian life. For nearly three decades PSUVO has continued to be involved in lobbying for veterans' educational benefits, charity events, and numerous social functions.

PSUVO currently is searching for an adviser who is truly interested in helping to continue this tradition of service to the Penn State veteran community. The adviser position would require attendance at twice monthly meetings in addition to providing an input on how the organization can continue to remain active and involved in campus activities.

Any faculty/staff member interested in becoming an adviser for this executive student organization, is asked to contact Pat Scanlan at 862-5023.

### Catholic faculty/staff meeting

The Penn State Catholic faculty and staff discussion group will hold its next meeting at noon Monday, Feb. 27, in Room 212 Eisenhower Chapel at University Park. Father David Arsenault will present a short talk on "The Lenten Season—Who Cares?" An open discussion will follow.

All Catholic faculty and staff are invited to attend. Bring along your lunch. Any questions can be addressed to Mike Morse, 863-0353, or Marty Klanchar, e-mail: 1606@PSUVM.

### Science writers' meeting

The Penn State Chapter of the National Association of Science Writers will host a field trip to the Penn State Research Park to tour Paragon Technology, Inc. at noon on Wednesday, Feb. 22. Participants will meet in the Conference Room, second floor, Incubator Building.

Paragon produces interface boards for digital visualization, NEC-OPT antenna optimization software, and general engineering design support. Todd Erdley and Liz Kisenwether, founders and partners in Paragon, will demonstrate their software, multimedia programs and designs and discuss their interface with the park.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. This year marks the chapter's fifth anniversary.

The brown bag luncheon roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-9481.

## Doing it for the kids!

# Nearly a quarter of a century of Dance Marathon



It happens every year at Penn State, like the passing of football season and the falling of snow. For the past 23 years, Dance Marathon has kicked off at University Park right around Valentine's Day. For many, the event is just another weekend punctuated by a frenzy of student activity. But at The Hershey Medical Center, it's the heart and soul of the pediatric cancer unit — much of which was built with funds raised by students gyrating their way through the grueling 48 hours of the Dance Marathon.

For more than two decades, the Dance Marathon has been a growing force in the fight against a disease that strikes nearly 7,000 children a year. What began in 1973 as a small event with 39 student couples participating to raise \$2,000, has evolved into the largest student-run philanthropy in the nation with donations topping \$1 million in 1994.

"It was like nothing I'd ever seen before," Dr. John E. Neely, chief of pediatric oncology/hematology at Hershey, said about his first experience in 1985 with the Dance Marathon. As the new chief of the division, Dr. Neely wasn't expected to come on board until June, but decided to visit the Dance Marathon months earlier to see what it was all about.

"It was amazing," Dr. Neely said reflecting on the memory. "It still is. The number of people who participate, the emotion that goes into it, and the support they give the kids is all inspiring. Every year that goes by my mind is bogged even more by the participation and the money raised."

As one of five doctors in Hershey's pediatric cancer unit, treating nearly 400 patients monthly — and that number is rising — Dr. Neely has witnessed a number of inspiring and mind boggling moments.

But as he looks back at the decade of Dance Marathons he has participated in, he knows most of those moments would not have been possible without this now-mammoth event.

Backed by Penn State's IFC/Panhellene Council, the Dance Marathon lures more than 2,000 students — 540 of those are dancers this year — to drop their weekend plans for a punishing two-day stint that promises to reward them with bleary eyes, aching and swollen ankles, blistering feet — and the joy of giving. Participants of past marathons have described the event as a life-altering experience that allowed them to share the pain and the triumphs of people who, under different circumstances, would be total strangers.

"Young adults really get a bad rap about not caring or being apathetic. Clearly that's not true," Dr. Neely said. "I've gotten past the stage of thinking 'how in the world will they top their previous year?' Students are so innovative and enthusiastic... they raise a flabbergasting amount of money."

Dr. Neely isn't exaggerating.

Overall, the Dance Marathon has pumped more than \$6 million into The Four Diamonds Fund — a fund set up in 1973 in memory of 14-year-old cancer patient Christopher Millard, who died in 1972 in his third year of battling the disease. Before his death, Christopher wrote a story about a brave knight and his quest for the four diamonds of "wisdom, courage, honesty and strength."

So moving was Christopher's prose, that not only is there a philanthropy named in his honor, but Disney has also made a movie that blends Christopher's real-life battle against cancer with the battles being fought by his fantasy character, Sir Millard, a forgotten knight of the Round Table. The made-for-television movie is expected to air on the Disney Channel this fall.

Since the time Christopher penned his story until now, The Four Diamonds Fund has helped more than 1,500 families plagued by medical bills that exceed their insurance coverage — coverage that sounded astronomical when they took out their policies, but now looks meager when faced with the mounting bills.

"Parents with children suffering from cancer

See "Dance Marathon" on page 5

## Fighting the War

In the subculture of parents at Hershey whose children have been diagnosed with cancer, Deborah Saline is what's known as a veteran. She is a survivor in the war that claimed the young life of her daughter. A war that lasted two-and-a-half painful years.

As director of public relations for Penn State's Hershey Medical Center, Deborah's daily drive to work has ceased to remind her of the agonizing trips she must make to Deborah's room again when her 12-year-old was being treated for acute lymphocytic leukemia — the most common childhood leukemia.

But these daily jaunts to work at the facility where one of her two children spent the last years of her youthful life, have kept her connected to the medical staff at Hershey credits with making the diagnosis more bearable. Occasionally, a phone call from a distraught parent or the glimpse of another family making the first of many trips to the pediatric oncology wing pushes her mind back to a time that she describes as "devastating."

It was 1983. The crisp fall air gave way to even colder temperatures, as winter approached. Jennifer Saline, a bubbly 7th grader, was adjusting to her new braces and the teenage angst that wearing them caused. She was having more trouble than most adjusting to the appliances that promised her a picture-perfect smile. Her face was swollen and her parents thought possibly she was allergic to the adhesive compound used to attach them, or maybe to the metal itself.

Dragging home from school one day, Jennifer complained to her mother of sore muscles and tired limbs, but in the next breath told her she was one of the only people in her gym class able to climb a rope — three times.

"We didn't notice the symptoms, because there was always some logical explanation for them, with the exception of one," Deborah recalled. "She had a persistent, dry cough but we couldn't really find a cause for it."

Worried about what they thought was an allergic reaction to the braces, Deborah and her husband, Bob, took their daughter to the dentist. After one look at Jennifer, the dentist suggested she receive a full examination by her pediatrician.

A chest x-ray showed the unthinkable. A massive tumor filled with fluid was growing in Jennifer's chest cavity. At the local hospital, blood work determined the diagnosis — leukemia.

"The doctor came out and said, 'Your daughter has cancer. She's going to die.' Just like that. No compassion. Nothing," Deborah said. "They told us they would be inserting a tube into her chest to drain the fluid. After that, it seemed like the least of our worries was the cancer."

▼▼▼

### Cancer.

It's a word Marjory J. Sente fears, and with good reason. It's a word that in just four months found its way into her daily conversation and shattered her life.

During a routine eye examination, it was discovered that Marjory's only son, Jeremy, had a brain tumor. Diagnosed as malignant, the

See "War" on page 6



Dancers and children have fun during the 1994 Dance Marathon.

Photo: Greg Grieco



## Dance Marathon

continued from page 4

don't need any other traumatic things to happen in their lives, like losing their home or sacrificing their other children's college educations," Jennifer Grim, Four Diamonds program coordinator/social medical worker, said. "Medical expenses are the priority with the fund, but there are those other cumulative costs, like wear and tear on a car or food expenses, that chip away at a family's budget."

Recognizing these other costs, overseers of the fund make it possible for families to receive meal tickets on their visits to Hershey. The fund also provides for workshops for siblings, allows for two full-time social workers who help families cope, and can even cover funeral expenses for a family that has truly exhausted its savings. The fund has been able to help every eligible family that has come to it for assistance during its nearly quarter-of-a-century in existence.

But the heroic feats of a fund inspired by a child's 1,471-word story don't stop there. Four Diamonds also provides specialized nursing support for pediatric oncology patients and funds two Child Life positions in the pediatric oncology wing. The nurses are specially trained in issues of cancer in childhood and help steer the family and child through the complicated course of treatment. For both parents and patients, the Child Life workers are a welcome distraction from the needles, the nausea, the chemo, the bone marrow aspirations and the exhaustion and pain of living with cancer.

"Our job is to provide support and help them adjust to everything they might be experiencing," said Beth Tauber, a Child Life Specialist who is frantically trying to shove a deck of UNO cards into his bag. Still smiling despite the fact that she has a teenage boy draped over her shoulders and a toddler with a tell-tale bald head from chemotherapy hanging on her legs, Beth explains that most of her work is play — literally.

"We use a lot of distraction tools, like board games and card games, to help them through their treatments or the wait. This also gives parents time to converse with other parents who might be going through the same thing."

Piled high on shelves in the "Infusion Room," where patients try to relax in Lazy Boy recliners with IVs inserted

**"The one area where it's tough to get the point across, where the fund can make a tremendous difference is ... research. It's so abstract, much more abstract than being able to show a bald-headed kid getting treatment."**

Dr. John E. Neely  
chief of pediatric oncology/hematology  
The Hershey Medical Center

into their arms, are board games ranging from Candy Land to Monopoly. Art and crafts supplies abound, a VCR awaits the latest PC movie, and a television outfitted with a Nintendo system and, of course, a stockpile of video games, unbelievably make the Infusion Room a tolerable spot for patients and a favorite place for their siblings. The Infusion Room, an out-patient treatment center where children receive the slow-release of chemotherapy chemicals into their blood streams or have an infusion of blood platelets, is part of Hershey's outpatient wing.

Constructed in 1993, the wing is visual testimony to the dedication of dancers from years past who struggled through exhaustion and physical pain to complete theathon and collect their pledges. Dedicated to the Penn State Dance Marathon, the wing sports not only a plaque acknowledging the marathon, but dozens of pictures of dancers from past marathons in action. Gracing the walls of every examining room are more pictures of dancers and a Dance Marathon poster from different years, each one proclaiming, "do it for the kids."



Dr. John E. Neely with a patient.

Photo: Courtesy of The Hershey Medical Center

"We are doing it for the kids," Sandy Dunmire, the other Child Life Specialist, said. "The kids are what pull us through. There are times when all of this really weighs you down, seeing people in pain. But there are times when it is all very rewarding."

"Last week a patient died, but the same day someone finished their chemotherapy. There is such a spectrum of emotions you can feel in one day... we have to find the joy in every accomplishment."

Hurrying down Marathon Street on the West Wing of the oncology unit, Sandy points out that children on this "in-patient" wing have private rooms with a window seat that serves as a bed for a patient who wants to "room in." Equipped with television, VCR and video games, these rooms are also a product of Dance Marathon funds. Renovated in 1993, the West Wing houses cancer patients diagnosed up to the age of 18.

In addition to the large amount of money Four Diamonds contributes to help build state-of-the-art facilities at Hershey, it also kicks in a large portion of the salary of the holder of The Four Diamonds Chair — Dr. Neely.

"All of the things the fund has provided for us are very tangible. But the one area where it's tough to get the point across, where the fund can actually make a tremendous difference, is in the area of research," Dr. Neely said. "It's so abstract, much more abstract than being able to show a bald-headed kid getting treatment. People always respond to that emotional message."

But Dr. Neely knows that showing a sterile setting like a lab, barely elicits a second look from people, let alone a reach into their wallets. So far, 11 percent of The Four Diamonds Fund has gone to support cancer research, mostly in the form of small start-up grants for promising projects. Some of those grants have already been leveraged into larger pools of money by grabbing the interest of organizations like the National Institutes for Health.

"We wouldn't be where we are with treatment if we hadn't done the research and taken chances," he said. "Four Diamonds has allowed us to do that and it's allowed us to grow from a small medical center into a nationally-known cancer facility."

"My colleagues at other institutions are envious of the resources The Four Diamonds Fund has given us. They want to know how they can start a dance marathon and a fund that has allowed us to do that and it's really the students."

### Things to do

Faculty and staff interested in seeing what the Dance Marathon is all about are invited to attend the "Faculty/Staff Hour" from 11 a.m. to noon Saturday, Feb. 18. Please call the Office of Greek Life at 863-8065 if you plan to attend.

## EMPLOYEE BENEFITS

A regular column provided by  
the Office of Human Resources

### Major medical claims

March 31 is the last date HealthAmerica will accept charges for a 1994 major medical claim from University faculty and staff members or their dependents. A major medical claim is established when a faculty or staff member reports eligible charges to HealthAmerica which exceed the health care plan deductible.

Charges acceptable for a major medical claim include: doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance services, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are: routine physical exams, dental work, eye exams and lenses.

Itemized receipts should be obtained for eligible charges and submitted to HealthAmerica. Canceled checks and cash register receipts are not acceptable evidence of charges incurred.

Health care claim forms are available upon request from HealthAmerica, 1850 E. Park Ave., State College, PA 16803, (814) 231-8970 or 1-800-366-6433, or the Employee Benefits Division, Room 205 Rider Building, (814) 865-1473.

Any additional information on how to report a major medical claim may be requested from HealthAmerica.

### Ritener prescriptions

Because the UHS pharmacy in Ritener Building is scheduled for renovations beginning March 3 and continuing through March 31, we are requesting that all participants in the Maintenance Prescription Drug Program have their prescriptions filled before March 3, with a sufficient quantity to last through the month of March. We will fill emergency prescriptions only for the MPDF program during March.

The pharmacy location during the renovation will be in Room 16 (ground floor) of the Ritener Building.

— Lisa M. Rosellini

## War

continued from page 4

growth at the base of his brain stem near his optic nerve was a rare type of cancer generally not found in that part of the body.

Known as Marj by her colleagues in Old Main, there was no doubt in her mind that Jeremy would be treated by doctors at The Hershey Medical Center. In her job as assistant executive director for marketing and communications for Penn State's Alumni Association, Marj was more than a little familiar with the facility and its reputation for treating childhood cancer victims. In November, less than one month after the discovery, her 14-year-old underwent surgery. Doctors at Hershey were able to remove 30 percent of the tumor — the remainder of its tentacle-like growth had reached too far into Jeremy's skull.

"There is just such a feeling of being totally overwhelmed by the knowledge that someone you love has cancer," Marj said. "It's a devastating feeling that you would never wish on anyone else, even your worst enemy."

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Jennifer Saline's condition was bleak. The Salines were told that her only chance of survival was at Hershey Medical Center. She was transferred to Hershey, but the Salines were not permitted to ride in the back of the ambulance with her. Deborah rode up front with the driver.

"I had a lot of anger toward the transport team that was handling it at that time," Deborah said. "I was afraid Jennifer would get on the way to Hershey and there would be no one there to hold her...no one to comfort her. I thought I would never see her alive again."

Within 72 hours, one by one, Jennifer's organs would stop functioning and she would become paralyzed from the breast area down.

The tumor put pressure on her lungs, and they collapsed under the strain. Jennifer was hooked up to a ventilator which would be her constant companion for the next two-and-a-half months.

In stark contrast, when the Salines arrived at Hershey, Deborah found that she and her husband were a vital part of the "team" working to save Jennifer's life. At that time, Deborah wasn't employed by Hershey and knew little about its doctors' approach to patient care.

"The biggest thing that hit me the minute we walked in the doors at Hershey, was that we were expected to be part of the team," she said. "At the other hospital, we were separated immediately. I couldn't touch my daughter, couldn't talk to her, couldn't comfort her."

"At Hershey, every provision is made to make sure that the family's needs, as well as the patient's, are taken care of. They never touched Jennifer until she had thoroughly explained the procedure and until Jennifer acknowledged their presence," she said. "They go to great lengths to make sure patients know what's happening."

Wearing Jeremy, who was now a paraplegic, from the ventilator was a tedious process, but Deborah knew that if her daughter could not breathe on her own, she would not be going home. Beginning with short stretches of a few minutes without the aid of the machine, Jennifer slowly worked her way toward the goal of taking her own breath. In February 1984, Jennifer was finally off the ventilator and sent to the Penn State Rehabilitation Center in Elizabethtown.

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Every week, Jeremy Sent travels to Hershey for chemotherapy to shrink what is left of the tumor and arrest its growth. He spends between three and five days at the medical center, sometimes while Marj works in an office set up by the Hershey development staff.

"It's such an odd situation for me because all of

these years I've known people at Hershey in a professional capacity and now I know them on a much more personal level," Marj said. "The doctors, the staff, everyone has gone the extra distance. Everyone has been so supportive."

"I say Jeremy is 14 going on 40... he hates when I say that. But he's a bright child and extremely focused. He sets goals and meets them. He's on his way to being an Eagle Scout and he's pretty young to be doing that. Being a pastry chef is his dream." Not deterred by his illness, Jeremy is working toward that dream. Two recent gifts from Marj's co-workers in the Alumni Association office and the development office have enabled Jeremy to turn his mother's kitchen into a work station that would be envied by Paris' finest culinary artists.

The prognosis for Jeremy looks good. His most recent visit to Hershey revealed that the tumor is getting smaller.

"We are very positive about the outcome. We're pleased with the treatment. His vision has already started to improve and I feel like we're on our way to recovery," Marj said. "Although we're optimistic, it is a cautious optimism because we know the outcome for some."



Patient Ashley Bridgewater with a Marathon dancer.

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For Jennifer, the fight was exhausting. Confined to a wheelchair, Jennifer endured months of chemotherapy, tests and more chemotherapy. While the Salines struggled with the anguish and uncertainty of wondering "Is my child going to be one of the survivors?" they were forced to think about finances.

"I can remember when my husband and I were looking over our major medical insurance coverage before Jennifer became ill and we both kind of scoffed at the astronomical amount of money. We thought, who could possibly exhaust \$250,000 in one hospital stay?" she explained. "That was in the 1980s. It sounded like a tremendous amount of money. Had Jennifer lived longer, we would have gone through that amount."

Hershey's Four Diamonds Fund, supported in large part by the Penn State Dance Marathon, provides financial support for families straining under lengthy medical bills. In its 23 years of existence, the fund has never turned down an eligible family that has requested assistance.

"It's hard for me to articulate the importance of that fund. When you're facing so many dire things,

just the fact that a fund like that exists is a real mental cushion."

Like most of Hershey's "cancer families," the Salines got a first-hand look at Dance Marathon. In 1985, Jennifer was one of the first children to attend theTHON, something that has since become tradition.

"For me, the words 'Dance Marathon' mean so much. The rest of this institution may not see how the Dance Marathon and the students are woven so tightly into our fabric here at Hershey. The distance between Penn State locations makes it difficult to see the connection," Deborah said. "But the fact is the Dance Marathon, Four Diamonds Fund and the students are an extremely integral part of Hershey's life. The students really embrace the whole family and truly push themselves to the limit emotionally and physically. And somehow, as only young people can do, they find a connection with the kids who have cancer. Even the youngest child recognizes what these students are doing for them."

"This event is very important for me, but until you know the facts and touch what the Dance Marathon is about, you can't fully appreciate its importance or the impact that it has on the lives of others. I grieve when I learn that another one of our children became a statistic. The answer is to find a cure, and I think the Four Diamonds Fund can do that."

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"I grew up with the Dance Marathon," Marj Senté said. "I never participated in it directly, other than to give donations or watch it from a distance. You know it's a good thing and something you should support, but I never took it as personally as I do now. People don't really have any idea of what a great difference their money makes."

Looking at their insurance coverage, Marj and her husband, Frank, shake their heads in disbelief. The cost for one round of chemotherapy chemicals to treat Jeremy's tumor is \$10,000.

"You think you have a lot of insurance until you get into this type of situation. We were quickly advised of what The Four Diamonds Fund could offer us. Not having to worry about the financial aspect is really a relief, but this may sound really nickel and dime, but just the fact that it funds food and parking passes is wonderful."

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Jennifer's cancer, at a time in remission, came back. In the end, despite a last-minute attempt to find a donor match for a bone marrow transplant, the now-14-year-old decided it was time to call it quits.

"I gave her the decision to say when it was over because I think it's important to give that final say to them," Deborah said. "For so long, the decisions aren't theirs to make."

Jennifer had had enough. She told her mother, "I'm done."

Looking in the mirror in her hospital room, she glanced at her scant head of hair. Fixed the wisps a bit, pulled down her lower lip and stared at her gums. "Oh gosh, and now I have gingivitis too," she said.

On that same day a friend from the floor came into her room, hugged her and said, "Guess what? I have great news. I'm cured and they told me it's gone and I never have to come here again." Without batting an eye, Jennifer smiled and said, "That's terrific! Guess what? I never have to come here again either."

She made a list of all the things she wanted to do before she died. Things like take her brother, Erik, to Disney World, see the Broadway musical "Cats," have family reading nights, go horseback riding again, and see the ocean one more time. All of Jennifer's dreams, with the exception of one, were accomplished in those last two months of her life. Jennifer never did make it to the ocean again. She had grown too tired.

She died in June 1986.

— Lisa M. Rosellini



# CELEBRATING A LEGACY

Special supplement to the Intercom  
February 16, 1995

## Behind the scenes of the Alumni Association

Fresh into the new year, this could be a great time to sit back and reflect on accomplishments of the 1994. The Penn State Alumni Association has plenty to celebrate:



Peter B. Weiler,  
executive director,  
Alumni Association

We kicked off our 125th anniversary celebration; counted our 127,000th member, and became the largest alumni association in the country. Not too shabby.

But we don't have much time for reflecting: Sitting back isn't what got us where we are today. While we certainly take pride in our accomplishments, our behind-the-scenes work continues to escalate. It's our responsibility to keep Penn State's alumni connected to and proud of this University.

You may be interested to know a few of the things we do to keep Penn State in people's minds: Our chapter programs, for example—now in 180 locations worldwide—continue, quietly, to sponsor student scholarships, host freshmen send-offs, host various speakers from the University, and undertake community service projects. This vast corps of alumni volunteers keeps the pulse of Penn State beating throughout the country.

Yearly, we present awards to teachers and alumni for their distinguished service to the University. Our Teaching Fellow award is recognized as one of the highest honors which can be bestowed upon a faculty member. Our Alumni Fellow award recognizes the achievements our alumni have made in their field, and we invite them to come back to Penn State to share their experiences with students.

The association has contributed \$2.9 million to the University for scholarships, fellowships, the Libraries, HUB-Robeson and Bryce Jordan centers. No other alumni association has made such a commitment to its institution. We believe ours shows our pride and confidence in Penn State.

Other things that keep our staff hopping: *The Penn State* magazine, a full-color, award-winning, bimonthly publication; *The Football Letter*, the only behind-the-scenes football coverage of its kind in the country; class reunions; Lion Ambassadors; dozens of newsletters to chapter members throughout the country and the world; a database of 400,000 records; Parents Program; training and management of a large volunteer network; and a growing list of Alumni Interest Groups (AIGs), including the newly formed African American AIG. The list goes on.

Looking down the road: We are currently joining forces with Continuing & Distance Education, structuring a comprehensive alumni career services program.

With a keen sense of direction, the Alumni Association looks forward to 1995 as a year of celebration, but most importantly, as a year of new ideas, continued growth, and steady support to the University community. Three cheers for us—now back to work.

*P. B. Weiler*

## 125th celebration kicks off in '95

As the Penn State Alumni Association launches its year-long celebration of 125 years of service to The Pennsylvania State University, its graduates and friends reinforce the image of Penn State alumni as a fiercely loyal lot who possess an unrelenting desire to assist their alma mater in fulfilling its mission. Although a great deal of attention will be focused on the association's rich history during the year-long celebration, the anniversary serves as a strong reminder that an organization is only as viable as its members make it.

The association will mark the anniversary of its formation with a host of special events and activities. A vast array of publications and promotional materials also will be used to inform Penn State alumni and constituents of the historic milestone.

"Through the 125th anniversary celebration, the Alumni Association is presented with opportunities to reflect on its past and look into the future," says

Peter B. Weiler, assistant vice president and executive director of the Penn State Alumni Association. "One question we ask is, 'Where do we want our organization to be in the next 100 years?'

We take pride in preserving this institution's great traditions, but we also are keenly aware of our mission to serve alumni. That mission provides us with a mandate to continue meeting the

changing needs of our alumni as we enter the twenty-first century. As Penn State evolves into one of the world's premier universities, the Alumni Association must change with it.

"Throughout the history of the association, Penn State alumni have played an active role in the affairs of the University. I think their involvement has been critically important. Alumni are the one constant force that will continue to guide the institution and shape its future. The association is committed to perpetuating the grand tradition of alumni participation in the governance of Penn State."

The Penn State Alumni Association was officially organized on July 28, 1870, just nine years after the first students graduated from

the Agricultural College of Pennsylvania, later to be renamed The Pennsylvania State University. The organization was founded "to promote fraternal feeling and continue the association of college days."

Nearly 125 years after that simple mission statement was formalized, the Penn State Alumni Association is flourishing and successfully maintaining its distinction as the largest dues-paying alumni organization in the country. Today, the association boasts 127,000 members. Its rolls have grown by 95,000 members since its centennial celebration in 1970.

Because the association seeks to extend advantages of membership to every alumni, the association undertook the Pride of Lions Membership Drive in 1992. The primary goal was to reach 125,000 members during the 125th anniversary year. By exceeding that

lusty membership plateau, the association has solidified its position as the largest alumni association in the U.S.

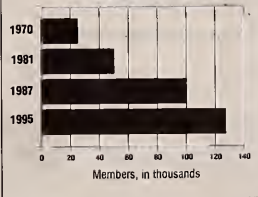
The Alumni Association uses membership dues to maintain accurate records, support a strong volunteer network, and provide services and benefits that meet the needs and desires of Penn State alumni. Although its dues are among the lowest of any alumni organization in the country, the Penn

State Alumni Association has managed to create a high-quality benefits package, and fashion an extensive line of programming.

The Alumni Association, which during the first Campaign for Penn State endowed undergraduate scholarships, graduate fellowships, and the Teaching Fellow Award, recently continued its unprecedented financial support of the University with a \$1.9 million pledge which will be channeled to the University Libraries Fund, the Bryce Jordan Center building project, and the HUB/Robeson Cultural Center expansion project.

*Jim Caltagirone '85, '87g*

Membership Growth  
Penn State Alumni Association  
1970-1995



## The Teaching Fellow Award: Rewarding Teaching Excellence

Established jointly by the Alumni Association, the Undergraduate Student Government, and the Graduate Student Association, the Teaching Fellow Award, among the highest accolades awarded by the University, honors distinguished teaching, while providing encouragement and incentive for teaching excellence at Penn State.

The award includes a cash prize and release time to permit the fellow to share his or her expertise

The Alumni Association is one of the most effective in the country. The Teaching Fellow Award is one step in the right direction to recognizing faculty who have devoted themselves and made an impact."

*Roger Pennock Jr., professor emeritus of soil morphology and recipient of the first Teaching Fellow Award*

throughout the University community. Year-long responsibilities of the Teaching Fellow may include such activities as participating in workshops and symposia, giving lectures or presentations on teaching techniques, taking part in discussions with students in the University

Scholars program, and teaching honors courses.

George B. "Ben" Kleindorfer, professor of quantitative business analysis in The Smeal College of Business Administration, was the 1991 Teaching Fellow. "One thing I really appreciate is that the Alumni Association gave the award without placing any conditions on it," he says. "I was very moved by that, so I just went out and did everything I could."

Kleindorfer's "everything" included numerous visits to campuses other than University Park. His extensive travel throughout the University system was self-initiated. "Nobody told me to do that," he says, stressing that he felt it was important to use part of his release time to visit his colleagues. "I was pleased with the seriousness of the campus about teaching," he concludes.

In his discussions with colleagues throughout the Penn State system, Kleindorfer found the tensions between teaching and research to be a common concern.

The Alumni Teaching Fellow Award is "so important," says Kleindorfer, because it "keeps the pressure up on the importance of teaching."

*Felicia Thibault Mulley*

### TEACHING FELLOW AWARD WINNERS

'86	Roger Pennock Jr., professor of soil genesis	'90	Marie J. Secor, associate professor of English
'87	Wilma R. Ebbitt, professor of English	'91	George B. Kleindorfer, professor of quantitative business analysis
'88	Jackson J. Spielvogel, associate professor of history	'92	Larry D. Spence, associate professor of political science
'89	William C. Urlicchio, assistant professor of film, television, and mass communications	'93	John P. Lowe, professor of chemistry
		'94	John W. Moore Jr., associate professor of English and comparative literature

## Education Never Ends

Get alumni back into the classroom and have a professor lecture on a topic of current interest. That was the goal of the first alumni education program during Reunion weekend. Now in its 48th year, the Alumni Institute, an afternoon of classroom presentations and walking tours, allows alumni to meet today's faculty. Alumni Institute was just the beginning of a multi-faceted program of alumni education opportunities.



New last fall was Alumni College's Nature & Wildlife Photography Workshop. Cecil 55g, 57g and Doris 74g, 84g Trueblood had a chance to try out what they learned in class during a photo shoot at Shaver's Creek Environmental Center.

"Today, the Alumni Association's alumni education program allows alumni to experience character

Initiated last year, the successful lecture series morning program heard Pablo Lora explain his work on another Saturday. Bundy, associate director, treated an inside view

For those who of battlefield to don have been in Virginia this fall. Tennessee River

Alumni Association of alumni, are from an educational director. want to know more, and artistic

Whether it's cing in Vermont. ni Continuing Ed more about them

## The Alumni Fellow Award

The Alumni Fellow Award is the highest honor given by the Alumni Association. It is administered in cooperation with each of Penn State's colleges and has received great prestige and visibility since its establishment in 1973. The award is given to select alumni who, as leaders in their fields, are nominated by a college and accept an invitation by the president of the University to return to share their know-how with students, faculty, and administrators. The award provides a dimension to the academic curriculum not otherwise available in the traditional college classroom. The Board of Trustees has designated the title Alumni Fellow as permanent and lifelong.

When this year's Alumni Fellows are named, they will become the 22nd class so honored by the Alumni Association and will join the ranks of such illustrious Penn Staters as Nobel Prize-winner Paul Berg '48, CNN senior Washington correspondent Charles Bierbauer '66, '70g, and former Commerce Secretary Barbara Hackman Franklin '62.

But for all its prestige, the designation Alumni Fellow is much more than a ceremonial title; it is a "working" relationship between the fellow and the honoring college.



Charles Bierbauer

The fellow's last two to five classes, informal advice on how to students around as they stimulate it. Case in point: L.D. Astorino & Associates, iss model for a the

Five architects to theatre and Fellows' visit.

Astorino and uly from both very different can interact with one different points

A College of quo. When Ellen visited University Secor's English the traditional s a chance to prac

PENNSYLVANIA STATE UNIVERSITY

ALUMNI ASSOCIATION  
**MILESTONES**

1870: Founding of the alumni society of the Agricultural College of Pennsylvania, later to be known as the Penn State Alumni Association

1874: First reunion of Pennsylvania College graduates

1910: First Penn State Alumni Quarterly published

1910: Alumni Association office

opened in Old Main

1911: First organized class reunions

1914: First issue of Penn State Alumni News published

1915: Eighteen Penn State alumni chapters are operating; eight in Pennsylvania, nine in other states, and one in the Panama Canal Zone

1920: First Alumni Homecoming

1935: New directory of Penn State graduates and former students contains more than 25,000 names and addresses

1938: First issue of The Football Letter

1948: First Alumni Association bowl tour (Cotton Bowl)

1955: The Penn State Alumni

Association becomes one of the first alumni associations in the United States to transfer records to electronic tape and use data processing for records and mailing

1968: First Alumni Association tour abroad

1973: Alumni Fellows program initiated

1973: P receives Award

1976: lege

1982: First fifty L

1986: P university an d plate



sion of Continuing and Distance Education and the sponsor quite a variety of Alumni Colleges and other experiences," says Mary Jane Stout, coordinator of the traditional vacation college, now in its 21st year, and a week on campus going to special classroom pre-lab tours, and recreational outings. Hands-on experience "education vacation."

"Huddle With The Faculty" was an instantly successful featuring prominent Penn State faculty. One Saturday morning football game, alumni, students, or anyone could assistant professor of astronomy and astrophysics, with supercomputers, star clusters and black holes. While the topic was closer to home when Orrin R. professor of music and director of the Blue Band, orchestra at Penn State's beloved marching corps.

special interests such as the Civil War, Civil War Series with History faculty Gary Gallagher and Carol Reardon in Gettysburg and Antietam and will go to Richmond, and War buffs may even take a steamboat cruise on the August with Gallagher.

tion sponsored tours, popular with a growing number recently hosted by Penn State faculty. "We try to include education to our tours, because alumni have indicated they about the places they are visiting, from historical, cultural, and points," notes Elizabeth K. Wilson, tour program

introduction to Rembrandt, surfing the Internet, bicycling out what to do with the rest of their life. Alumni is meeting the needs of alumni who want to learn lives and their world.

Marjory Sente

is a very special sort of homecoming which may or more. During that time, fellows participate in discussions, and public lectures. And frequently, they myths of success. Often they hand out practical equity necessary skills. Sometimes they turn spotlight them toward unconsidered goals. Unfailingly, fight, debate, and action.

Before arriving on campus for their visit as 1991 are Alumni Fellows, Lou Astorino '69, president, associates, and Robert Wolff '63g, president, Artec a challenge to faculty and students—design a site to be located in downtown Pittsburgh.

re students accepted. They presented their designs

lecture students and faculty during the Alumni Wolff critiqued the designs, as did students and faculty departments. The project brought together, from two plines, people who rarely have the opportunity to meet and challenged them to look at things from a new.

Liberal Arts Alumni Fellow also defied the status Warren '69, correspondent for the *Chicago Tribune* Park Campus, she met with students, dined with president, and lectured the 1990 Teaching Fellow Marie as on the "problems of style." And then she turned ment-teacher relationship on its ear—giving the class what they had learned, by critiquing her work.

Felicia Thibault Mulley

ident John Oswald  
st Honorary Alumnus

1986: First issue of *The Sports Letter*

Alumni Vacation Col-  
meeting of original  
ambassadors

1987: 100,000th member joins Alumni Association

State becomes first  
in the nation to estab-  
lish automobile license

1994: Penn State Alumni Association becomes the largest alumni association with 127,000 members

1995: Alumni Association's 125th anniversary



Two thousand families participated in Parents & Families Day events at University Park Campus last fall.

Photo: Scott Elmquist

## Parents' Pride Captured

Who belongs to our newest association member group? The ones who foot the bill for our future alumni! Beth Dahmus, coordinator for Parents and Families, is in charge of the new Penn State Parents Program, established to increase communication between Penn State and Penn State parents. "We want to involve parents in an organization that can help meet their own needs as well as those of other parents," says Dahmus.

All parents of Penn State undergraduate students are automatically members and will receive informational newsletters throughout the year. "We also want to keep parents informed about happenings on campus," Dahmus adds. "They'll receive information about student and campus events, and special events for parents, like Parents Weekend and other University Park and regional parent and family special events."

The Parents Advisory Board, made up of thirty parent volunteers with children in different class years and majors, will assist with special parent-event planning and orientation, help with admissions, career advising and placement, and

provide legislative support at key times of the year.

Two Parents & Families events captured the true spirit of the Penn State Alumni Association this past fall: Move-in Day Barbecue and Parents and Families Day.

Five hundred families attended a barbecue on the HUB lawn in August, which offered a much-needed break from hauling luggage, stereos, and books. Blue skies, green grass, and piles of food made the first barbecue a great success. In addition to the tasty fare, booths dotted the landscape offering parents and students information on the University and Downtown State College.

In October, rain failed to dampen Parents and Families Day. An information fair familiarized parents with services available on campus and in Downtown State College, and an ascent to the bell tower of Old Main was on tap: For those not inclined to climb stairs, a stroll through campus sufficed.

Many families seemed delighted with the red carpet treatment, so both events will take place again in 1995.

Scott Elmquist

## Alumni Interest Groups

Alumni Interest Groups are Penn State's newest alumni organizations. These groups allow alumni and friends to affiliate through an interest or common bond which is not centered in a college or campus.

For instance, the African American Alumni Interest Group (AAAIIG) is currently networking alumni to provide career services and mentoring to new grads, minority scholarships, and to improve student life for current African American Penn State students.

The AAAIIG is the first alumni group to institutionalize its work on behalf of African Americans at Penn State. The organization aims to develop stronger links with the University for African Americans, help bridge gaps between students and external networking opportunities, and provide financial support that will directly enhance programs for African American students, such as the Mildred S. Buntin and Calvin H. Waller Undergraduate Fellows Program.

Gay, lesbian, and bisexual alumni also have a recognized place in the Alumni Association: The Lambda Alumni Interest Group became an official part of the Association in October. Members celebrated their first event—a tailgate at the Ohio State game—during Homecoming.

One of the group's long-range goals is the endorsement of a scholarship for a student who is actively engaged in improving the climate on campus for gay, lesbian, and bisexual students. The group also aims to foster relations between alumni and students and to assist students in con-

fronting campus issues, such as harassment.

"We also want to help students deal with discrimination when they hit the workforce," says Kyle Richards '92, who worked closely with the Alumni Association to get the group started. "We can offer advice on what to look out for. I think workplace counseling is going to be an important component of our work."

Other Alumni Interest Groups include Varsity "S" Club (varsity letter winners), Lion Ambassadors, Lion's Paw, and Research and Graduate School. Two more will be presented for approval at the Executive Board Meeting in March: Parmi Nous and Resident Assistant AIGs.



Don Campbell '64 (l.) and Barry K. Robinson '67 (r.) have spearheaded the activities of the Association's new African American Alumni Interest Group.

## In the Name of Penn State

For members of the class of 1995, Penn State's Spring Commencement will mark another milestone along the path to self-fulfillment. For the University's alumni population across the nation, commencement will signal the birth of a new Penn State tradition.

A special task force commissioned by Alumni Council, the governing body of the Penn State

Alumni Association, has designated May 15-21 as Penn State Alumni Association National Service Week. PSAA National Service Week will be an annual event in which alumni chapters, societies, interest

groups, and individuals around the country can volunteer for various service projects that will benefit their communities, local nonprofit institutions, and humankind in general. This year, PSAA National Service Week will begin the Monday after commencement, a most appropriate time, as the University's newest alumni will be taking their places in society. This first PSAA National Service Week will be integrated into the association's 125th anniversary celebration which will run through December 1995. It is hoped that National Service Week will become another great Penn State tradition.

The PSAA National Service Week project underscores the service component of the University's land-grant mission and has the potential to result in numerous positive benefits, including widespread publicity for the University and its alumni organizations at the local and national levels, and increased involvement of Penn State alumni in community service endeavors. For chapters, societies, and interest groups that already conduct service activities, this project offers a unique opportunity to participate in a venture involving Penn State alumni nationwide. It is meant to expand existing community service activities sponsored by alumni groups.

A task force subcommittee has prepared information packets and "how-to" kits that will be distributed to the presidents of Penn State chapters, societies, and interest groups. A network of regional coordinators is in place to assist all Penn State alumni organizations with the planning and implementation of Service Week projects. The task force, chaired by **Terrie Rizzo '68**, board member of the Silicon Valley Chapter, is composed of volunteers from California to Florida, Chicago to Connecticut, and points in between.

All chapters, societies, and interest groups are encouraged to be a part of this project. With the support of volunteers, Service Week will evolve into a nationally recognized initiative all Penn States can take pride in.

Jim Callagrine '85, '87



Penn State Alumni Association

## Alumni Association Marks Anniversary and Reaches Goal

This year's 125th anniversary of the Alumni Association will be sweet. The association currently has 127,000 members, topping its membership goal of 125,000, and holding firmly on to its status as the largest alumni association in the country.

The Pride of Lions Membership Drive, which began in the fall of 1991, is expected to have reached an even higher number by the June 30 deadline.

"During the first year of the drive, we received 7,600 members. Since we were so successful, we increased the original goal



from 120,000 to 125,000 to coincide with the celebration of our 125th year," says Peter Weller, executive director of the Alumni Association.

The association reached its goal by targeting alumni, students, and parents. "We're extremely pleased that we were able to surpass our goal," says Patrick Scholl, director for marketing and planning. "I think it's great to know that there is such a large number of people interested in Penn State, and we hope to keep on growing."

Jennifer Shapiro

## Another Chapter in Our Book

Penn State Chapters have long provided the most popular ways for alumni and friends to work together for the glory of Penn State. Charged by the motto, "We Bring Penn State to You," more than 180 chapters across the country and around the world offer far-flung Penn State alumni a chance to share in collegiate camaraderie, while serving the University and their local communities. But Penn State's chapters are not just for alumni whose pursuits have led them far from the arms of their alma mater. Chapters are also for those who never attended the University but whose talents contribute so much to its well-being. And your local Penn State chapter is for you, too.

Kathy Corbin Itinger, administrative assistant in the Department of Comparative Literature, has been actively involved with the Centre County Chapter and received the first President's Outstanding Volunteer Award in 1991. As Kathy states, "Although neither my husband nor I are Penn State graduates, we have been devoted sports fans and actively involved in many other Penn State causes over the years—such as chapter and Alumni Association functions. Also, we are both associate lifetime members of the Alumni Association."

Kathy's husband, Jerome Itinger, associate director, Office of Sponsored Programs and Contracts, was never a Penn State student, but has found a place in the Centre County Chapter—as treasurer (a position he has held for almost eight years). The Centre County Chapter offers many diverse programs and helps to enlighten and foster a feeling of "Making Penn State Proud." The chapter has given many Making Penn State Proud Awards over the years; the most recent one was given to Peter Kiefer for all his years of hard work with the Singing Lions choral group.

With about 700 members, the Centre County Chapter is one of the largest Penn State chapters and is very active in its many service programs to the University community such as:

- An information/welcome booth at Beaver Stadium for visiting football fans. This is used by both visiting and Penn State fans and is a great way to promote their chapter.
- A reception and tour for incoming international students.
- The establishment of an Emergency Grant Fund for Centre County students who require emergency financial assistance to pay for books, rent, tuition, etc., in order to stay in school. Their chapter, the first to start such a fund, has contributed \$9,000 to date and has helped approximately twenty students to date in this effort.

However, the chapter is not all service; it does offer many diverse social activities that appeal to all ages. This year was a special one for their chapter, it celebrated its tenth anniversary since being chartered. A grand celebration, chaired by Kathy Itinger, was held at the Nittany Lion Inn in October as a prelude to the Homecoming activities that weekend. The Singing Lions and Nine Nomin provided entertainment, and past presidents reflected on the chapter's many accomplishments. Some of the other programs held in 1994 were:

- Bus trip to the Penn State-Temple game
- Tour of the new ARI building on campus
- Tour of Scanticon and BBQ with Centre County first-year students
- Bellefonte Historical Railroad trip with tour of Curtin Village

Jim Callagrine '85, '87

## Penn State Alumni: A Valuable Resource

Exciting and challenging as the prospect of graduation is, students often need help with the question: "Where do I go from here?"

Penn State alumni can often come up with the answer to this and other questions; and are doing so, in diverse ways, through Penn State Alumni Association-supported College and Campus Constituent Societies. Some, such as the College of Arts and Architecture, hold annual career fairs. Others have special projects—Penn State Shenango Campus has a program to encourage eighth-grade girls to consider science and math as career options. Others, including the College of Health and Human Development's alumni organization, invite

alumni to review their curricula. Worthington Scranton Campus Alumni Society offers experience in the workplace. The society's Alumni Mentor Program pairs alumni with current students according to career interests to help students develop a professional networking base.

These different approaches, however, all rely on the commitment of alumni. Andrew Jackson '74, a member of the College of Arts and Architecture's alumni board, is clearly not alone in his wish "to give something back." He says, "Providing a role model gives students some encouragement when they may otherwise feel they are all alone; I make a conscious effort to do that."



## Ear Infections Affect Preschoolers' Social Behavior



Lynne V. Feagans, professor of human development in the College of Health and Human Development.

Photo: Greg Grieco

**T**oddlers with frequent bouts of middle-ear fluid tend to play more by themselves, even when they're well, than healthier children do, a University study has found.

The fluid, a common complication of childhood ear infections, often causes mild to moderate hearing loss. Results from the study suggest that the hearing loss—rather than shyness—might account for the introverted behavior that certain preschoolers show.

"These children may have learned to withdraw from verbal situations because they didn't hear well," said Lynne V. Feagans, professor of human development in the College of Health and Human Development and director of the study. "The pattern seemed to persist even after their hearing returned to normal."

Otitis media (the medical term for middle-ear fluid) is one of the most

common childhood ailments. As many as one-third of preschool-age children suffer frequent bouts of the illness, and Dr. Feagans thinks even that number may be an underestimate.

"Otitis media was a

**Children in the study with chronic otitis media spent more time playing alone or watching others play.**

chronic problem in almost half the children we studied," she said.

The buildup of fluid behind the eardrum results in a hearing loss that can persist for several months—long after the ear infection that caused it has cleared. The disorder is of special interest to child

development experts because it is most prevalent in the first few years of life, when children are learning language.

The Penn State study involved children ranging in age from 18 months to four years in three Central Pennsylvania daycare centers. A nurse and physician screened each child every week over a number of years for signs of illness. Because otitis media often has no outward symptoms, the nurse also used two instruments—a pneumatic otoscope and an immittance audiometer—to detect fluid in the middle ear.

Children who had fluid at least 20 percent of the time, or about two and one-half months of the year, were classified as having chronic otitis media. (In fact, children in this group had otitis media for an average of nearly five months per year.) The rest were termed non-chronic infections with their hearing tested when they were well and when

they had otitis media, if possible. Otitis media resulted in an average hearing loss of 10 decibels—equivalent to what would happen if you stuck your fingers in your ears.

"With a 10-decibel loss, you would perceive sound as being half as loud as normal," Dr. Feagans said.

The researchers also made detailed observations of the children at play, monitoring each child for two 10-minute periods on separate days and noting the child's behaviors every 20 seconds. Examples of behaviors included "touch peer," "show," "give/share," "accept toy," "take toy," "hit," "play alone," and "talk to peer."

Children with chronic otitis media spent more time playing alone or watching others play, instead of interacting with others, than did their healthier peers. They also initiated fewer verbal exchanges with their daycare classmates.

Tina Hay

## Research



**Plastics taking over in the state**

Pennsylvania is shifting rapidly from steel and other heavy industries to a more diversified and flexible manufacturing base, with particular growth in the areas of plastic products and drugs, according to two University experts.

In 1992-93 alone, plastic products and drugs generated more than 9,000 jobs," Theodore E. Fuller, development economist with the Department of Agricultural Economics and Rural Sociology in the College of Agricultural Sciences, said. "Plastic commodities are likely to replace steel as the state's main manufacturing product."

Lower unemployment rates indicate that Pennsylvania's manufacturing industries are more competitive and efficient than in the past, according to Stephen M. Smith, associate professor of agricultural economics and rural sociology.

"This in turn bodes well for future growth in the increasingly open global economy," he said.

Drs. Fuller and Smith are co-authors of the 56-page *Road to Renaissance VIII*, a comprehensive employment study. For a copy of the publication, call 863-8245 or 863-8247.

## Ice cream, you scream

**M**oves by American ice cream makers into overseas markets includes following U.S. troops.

According to the International Ice Cream Association, in 1993 the volume of U.S. ice cream exports dropped 62 percent to Kuwait, 41 percent to Saudia Arabia and 40 percent to the United Arab Emirates. The reason?

"When troops left countries involved in Operation Desert Storm, the ice cream went with them," Arun Kilari, University food scientist, said. "Ice cream consumption rises where economies improve."

As proof, some U.S. companies are investing in developing infrastructure in Asia, where economic growth is occurring.

In 1993, exports of U.S. ice cream and related products to Mexico rose 35.5 percent. Japan ate more than twice as much U.S.-made ice cream as any other nation, importing almost 21 million gallons of ice cream and related products last year. That's a jump of 13 percent over 1992 imports.

Did all this talk make you hungry for the cold stuff? The Creamery on the University Park Campus has reopened after renovations.

# The ARTS

AT PENN STATE

## Art lectures

**Graham Shearing**, an art critic for the *Greensboro Tribune Review* and a print dealer, will give a lecture titled "Collecting Old Master Prints" at 7:30 tonight in the Palmer Lipson Auditorium of the Palmer Museum of Art on the University Park Campus.

Mr. Shearing has been a print dealer for more than 15 years, both in England and in the United States. He will talk about methods of print collecting in past centuries and in the present.

To hear about Old Master works that the Palmer Museum of Art has collected, attend a gallery talk titled "Old Masters at the Palmer," at 2 p.m. Friday, March 24, and Sunday, April 29, and 1:30 p.m. Sunday, April 23. Graduate assistant Jennifer Olson-Rudenko will conduct the talk, which will begin in the museum's Christoffers Lobby.

The Palmer Museum of Art lectures are free to the public.

## "The Barber of Seville"

The New York City Opera National Company will present "The Barber of Seville" at 8 p.m. Saturday, Feb. 18, in Eisenhower Auditorium on the University Park Campus.

"The Barber of Seville," written in 1816 by Gioacchino Rossini, is considered one of the finest comic operas. Although Rossini claimed to write its 60 pages of music in 11 days, it is a remarkably seamless and well-balanced work. It is noted for its wealth of musical gems and non-stop action.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814)863-0255.

## Organ recital

Nine organ students from the studio of June Miller, associate professor of music, will perform works by Buxtehude, Bach, Mendelssohn, Reger, Vaughan-Williams and Messiaen at 2 p.m. Sunday, Feb. 19, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The recital is free to the public.

## Roller dance show

Steve Love's New York Express Roller Dance will perform at 3 p.m. Sunday, Feb. 19, in Eisenhower Auditorium on the University Park Campus.

Steve Love founded the company in 1985 to create an outlet for artistic roller skating. The show combines contemporary dance, acrobatics, comedy and juggling—all on roller and in-line skates. The company has entertained families nationwide with the thrills of skating and an eclectic mix of popular music.

Mr. Love will offer free skating instruction at 1 p.m. in Eisenhower Auditorium, prior to the show. Space is limited to 50 participants. To reserve a spot, call Cathy at (814)863-0288.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814)863-0255.

## Faculty recital

Soprano Susan Boardman, and pianist Carl Blake will present a joint faculty recital at 8 p.m. Sunday, Feb. 19, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The duo will perform two pieces by Marco Antonio Cesti, the Opus 39 "Liederkreis" by Robert

Schumann; the song cycle "Despite and Still" by American composer Samuel Barber; "Village Scenes," five Slovak folksong settings by Béla Bartók, performed in the original language; and settings of five Negro spirituals by Australian composer Nigel Butterley.

Dr. Boardman is associate professor of voice and director of opera, and Dr. Blake is assistant professor of music and associate director of the Institute for the Arts and Humanities Studies.

The concert is free to the public.

## Centre Dimensions

Centre Dimensions, Penn State's number one jazz ensemble, will present its winter concert at 8 p.m. Tuesday, Feb. 21, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus. The group is under the leadership of School of Music faculty member Dan Yoder.

The group will perform a variety of jazz styles ranging from classic Duke Ellington to contemporary jazz fusion. Other selections to be performed include two Latin style sizzlers, "A Carnival Night in Vera Cruz," and "Salsa N'Peppers," Bob Florence's "Pumpkintite," Rob McConnell's classic big-band chart "Just Friends," a new arrangement by Jim Martin of the tune "Dear Old Stockholm," and an original by former Penn State student Jeff Kunkel entitled "Midnight Run."

The concert is free to the public.

## Bach's Lunch

The Hi-Lo's, a 13-voice singing group from the Penn State Glee Club, will present a program of folk songs from Wales, England and America and African-American spirituals for the Bach's Lunch series at 12:10 p.m. Thursday, Feb. 23, in the Helen Eakin Eisenhower Chapel on the University Park Campus.

In addition to the folksongs and spirituals, the Hi-Lo's will also sing a group of pieces by the famed 18th century glee composer Samuel Webbe.

These pieces were recently researched and edited by Bruce Trinkel, director of the Hi-Lo's and associate professor in the College of Arts and Architecture School of Music. This is probably the first performance since the 18th century

of many of these songs. The concert is free to the public.

## Trumpet music

John Daniel, assistant professor of music, will present a recital of trumpet music at 8 p.m. Thursday, Feb. 23, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

Professor Daniel will perform works by Honegger, Albrechtsberger, Albini/Giazotto, Ewald and one of his own compositions. Assisting at the recital will be School of Music faculty members Tony Leach and Mark Lusk; graduate assistants Christopher Greene, Paul McPhail, Ken Oedemann and percussionist Victoria Daniel.

The recital is free to the public.

## Cultural art exhibit

The Office of Business Services is exhibiting the paintings of James E. Robinson throughout the month of February in celebration of Black History Month. Mr. Robinson's work, which is being displayed throughout the Hostetter Business Services Building, reflects native African and early Egyptian themes.

The University community is invited to visit the exhibit and learn more about the artist and the cultures that have inspired his creativity. Mr. Robinson's work previously has been shown at the Paul Robeson Cultural Center and Pattee Library.

## Odyssey on WPSU

The concept of dialogics according to Bakhtin, and the way he perceives the dialogic nature of language to be intertwined within the carnivalesque tradition, are the topics of discussion on the next Odyssey Through Literature program, "A Dialogue with Many Mutes."

Guest Don Bialostoksy of the Penn State English Department explains that "the focus of the dialogic nature of language is the attempt to restore any individual utterance back into the give-and-take, and to estimate the power of its remarks in that fuller context."

Odyssey Through Literature is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## 25-year Awards



Observing 25 years of service at the University are Dr. Graham H. Jeffries, professor of medicine and former chair of the Department of Medicine; Myron "Mike" Katz, research lab manager in the Department of Microbiology and Immunology; and Connie L. Weirich, program aide, Family and Community Medicine, all at The Hershey Medical Center; Patrick J. Ross, director of Student Affairs at the Penn State Worthington Scranton Campus; Ronald Strosch, operations coordinator, Office of Telecommunications; and John C. Young, electrician—maintenance, Office of Physical Plant.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, February 16

International Lecture Series, 9:30 a.m., 222 Boucke Bldg. Alan Taylor on "Pandas and Bamboo Forest Conservation in China." Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Woodwind Quintet.

Faculty Staff Club, 5:30 p.m., Boardroom, Nittany Lion Inn. Mardi Gras Night.

Waterbury Forum for Education and Cultural Studies, 7 p.m., Penn State Scanticon. Carol Becker on "Art, Pedagogy and the Struggle for Public Life."

Palmer Lecture, 7:30 p.m., Palmer Lipson Aud. Graham Shearing on "Collecting Old Master Prints."

School of Music, 8 p.m., Eisenhower Aud. Penn State Philharmonic Orchestra.

Friday, February 17  
Dance Marathon, White Bldg. Through Feb. 19.

Penn State Lectures on Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Building Matter Out of Energy."

Geography, 4 p.m., 319 Walker Bldg. Alan Taylor on "Dynamics of Bamboo Forests and Implications for Panda Conservation in China."

University Resident Theatre Company, 8 p.m., The Playhouse. "Bedroom Farce." Tickets required, call 863-0255. Through Feb. 25.

### Saturday, February 18

Touch of Africa Fair, HUB.  
Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Hot Beginning: The Big Bang."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The New York City Opera National Company will present "The Barber of Seville." Tickets required, call 863-0255.

### Sunday, February 19

Galley Talk, 1:30 p.m., Palmer Christoffers Lobby. Elram Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 2 p.m., Recital Hall. Organ Studio Recital.

Center for the Performing Arts, 3 p.m., Eisenhower Aud. Steve Love's New York Express-Roller Dance Show. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Susan Boardman, soprano, and Carl Blake, piano.

### Monday, February 20

President's Day, HUB.  
Comparative Literature, 12:40 p.m., 101 Ken. Steve Belcher on "Evolution and the Epic."

Focus Groups and the Assessment of Academic Programs Workshop, 3:30 p.m., 118 ASI. Peter B. Everett will target faculty, staff, and administrators interested in using focus groups, especially as a method for assessing academic programs. To register, call 863-1864.

Center for Women Students, 7 p.m., HUB Assembly Room. "Sex at 7": an interactive theatre presentation about partying at Penn State.

### Tuesday, February 21

Center for the Study of Higher Education, 11:15 a.m., 111 Chambers Bldg. David Johnson on "Grant Opportunities through FIPSE's Comprehensive Program."

Professional Women at Penn State, 11:45 a.m., 12 Sparks Bldg. Informal networking on "Professional Women: Accomplish-



"The Barber of Seville"

The cast of the New York City Opera National Company will present "The Barber of Seville" on Feb. 18. Saturday, Feb. 18, in Eisenhower Auditorium on the University Park Campus.

ments and Goals." School of Music, 8 p.m., Recital Hall. Centre Dimensions.

Wednesday, February 22  
Center for Women Students, noon, 120 Boucke. Film/Discussion: "A Place of Rage."

Thursday, February 23  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The H-Lo's from the Penn State Glee Club.

Center for Women Students, 4 p.m., HUB Assembly Room. William L. Leap on "Learning Gay English."

School of Music, 8 p.m., Recital Hall. John Daniel, trumpet.

Friday, February 24  
Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Judith Johnson on "The Geography of Radioactive Waste."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Jesus Christ Superstar. Tickets required, call 863-0255. Also Feb. 25.

Saturday, February 25  
Faculty Development Workshop, 9 a.m., 114 Ken. Blainie Bowen on "Promotion and Tenure." For reservations, call 863-1663 by Feb. 21.

Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Building Matter Out of Energy."

Film, 1 p.m., Palmer Lipson Aud. "The Mirror of Paradoxes: Rembrandt's Self-Portraits."

Sunday, February 26  
Gallery Talk, 2 p.m., Christoffers Lobby. Palmer Museum. Jennifer Olson on "Rembrandt's Etchings."

School of Music, 4 p.m., Recital Hall. "Spirituels Old and New."

SEMINARS  
Thursday, February 16

Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Eli Hawkins on "Quantum Gravitational Collapse of a Charged Dust Shell."

Adult, Continuing and Distance Education,

noon, 201 Keller Bldg. William Rothwell on "Debate on Human Resource Development."

Applied Economics, 2:30 p.m., 420 Ken. Sang Kim on "International Stock Price Spillovers and Market Liberalization: Evidence from Korea, Japan and the United States."

Physics, 3:30 p.m., 101 Osmond Lab. Robert Westervelt on "Electrons, Waves and Charges in Quantum Dots."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Shytun Felix Wu on "Epsilon Consistent: Real-Time Monitoring for Rapidly Changing Data."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. James Young, speaker.

Friday, February 17  
Materials Characterization Lab, 11 a.m., 301 Stiedle. Michael Gribelyuk on "Quantitative Electron Microscopy: An Oxymoron?"

Forest Resources, 1:25 p.m., 205 Ferguson Bldg. John Santur on "Southern Bottomland Hardwoods: Productivity, Resilience and Restoration."

Economics, 3:30 p.m., 413 Ken Bldg. Simon Grant on "Strategic Trade Policy Under Uncertainty: Sufficient Conditions for the Optimality of Ad Valorem, Specific and Quadratic Trade Taxes."

Agronomy, 3:35 p.m., 107 ASI. Clyde Elmore on "Vegetation, A Weed Management Tool."

Monday, February 20  
Center for Gravitational Physics and Geometry, 12:15 p.m., 330 Davey Lab. Nigel Bishop on "Progress on the Cauchy/Characteristic Matching Problem in Numerical Relativity."

Condensed Matter, 3:30 p.m., 339 Davey Lab. N.P. Ong on "Vortex Dynamics in High Tc Superconductors."

Economics, 3:30 p.m., 413 Ken. Vijay Krishna on "A Model of the FCC Auction."

Tuesday, February 21  
Center for Gravitational Physics and Geome-

try, noon, 541 Davey Lab. Nigel Bishop on "The Null-Cone Formulation of Numerical Relativity."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Baski Hendkash on "On-Line Optimization Techniques for Dynamic Task Scheduling in Real-Time Operating Systems and in Multiprocessor Architectures."

Gerontology, 4 p.m., 8 Mueller Lab. James P. O'Callaghan on "Defining Neurotoxicity: Lessons From Studies of Substituted Amphetamines."

Geosciences, 4 p.m., 112 Walker Bldg. Ritus World on "Case Study: Med Region."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. James Ryan on "Distance Education: An Idea Whose Time Has Come."

Wednesday, February 22  
Gerontology, 12:15 p.m., 305 HUB. Doug Ewbank on "Measuring the Rate of Progression of Alzheimer's Disease: Overcoming Floor, Ceiling Truncation Effects."

Chemistry, 3 p.m., SS Osmond Lab. James W. Jorgensen on "Energy and Resolution in Chemical Analysis."

History, 4 p.m., 108 Weaver Bldg. Martha Hodes on "The History of Sex Between White Women and Black Men in the Nineteenth-Century American South."

Thursday, February 23  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Rodolfo Gambini, speaker.

Applied Economics, 2:30 p.m., 420 Ken. Ted Jost on "Predicting Inflation."

Physics, 3:30 p.m., 101 Osmond Lab. Paul Langacker on "Solar Neutrinos."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Tandy Wamow on "Computing the Local Consensus of Trees."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Robert Carringer, speaker.

Adult, Continuing and Distance Education, 7 p.m., 118 Ag Science & Industries Bldg. Donna Queeney on "Mandatory Continuing Education."

Friday, February 24  
Agronomy, 3:35 p.m., 101 ASI. Les Lanyon on "Does Nitrogen Cycle?"

CONFERENCES  
Saturday, February 11

The Da Ponte Symposium, 60 attendees, The Nittany Lion Inn. Through Feb. 12.

Sunday, February 12  
Game Bif Conference, 75 attendees, Days Inn Penn State. Through Feb. 14.

Monday, February 13  
Program for Logistics Executives, 20 attendees, The Nittany Lion Inn. Through Feb. 23.

Friday, February 17  
AIM HIGH: Young Women's Leadership Conference, Penn State Scanlon Conference Center. Through Feb. 18.

Sunday, February 19  
Armark Executive Program, 30 attendees, The Nittany Lion Inn. Through Feb. 24.

EXHIBITS  
HUB Art Alley Panels:

Pargson's School of Design Poster exhibit, through Feb. 19.

HUB Art Alley Cases:  
"International Mixed Media," through Feb. 20.

HUB Formal Gallery:  
See "Calendar" on page 14

## Calendar

continued from page 13

"I Dream A World: Portraits of Black Women Who Changed America," through March 25. Also in Browsing Gallery.

**Kern Panels:**  
"Pamora Clarke Photography," through Feb. 21.

**Kern Flat and Tell Cases:**  
"Carol Genithes Ceramics," through Feb. 21.  
"Hosteller Business Services Building: Paintings of James E. Robinson in celebration of Black History Month," through February.

**Polmer Museum:**  
"Rembrandt Etchings: Selections from The Carnegie Museum of Art," through March 5.

"Looking Forward, Looking Back: The Etchings of Leonard Leibowitz," through March 5.

"Rembrandt Redux: The Paintings of Ken Apter," through March 5.

"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 26.

"Gift to Celebrate the New Museum," through July 16.

**Pettee Lending Services Gallery:**  
"Carla Judea Alhadeff's Photography," through Feb. 28.

**Pettee Main Lobby:**  
An exhibit highlighting the Libraries' collections in women's history. Through March.

"He Had a Dream," exhibit honoring the life of Martin Luther King Jr. Through Feb. 28.

**Pettee West Lobby Gallery:**  
Anne Kenyon's work that includes watercolors of flowers and Central PA landscapes, through Feb. 28.

**Zoller Gallery:**  
■ "States of Contrast: Contemporary South African Printmaking," through Feb. 26.

■ Reflects an international perspective

## PROMOTIONS

### Staff

Charles W. Wakefield, manager, Food Services III, in Housing and Food Services.  
Elizabeth G. Warner, staff assistant III in University Arts Services.  
Kristi A. Wormhoudt, assistant director in Office of The President.

### Technical Service

George W. Cody, maintenance worker (General B) at Penn State Schuylkill Campus.  
Paul A. Cox, maintenance worker (HUB) in Office of Student Affairs.  
Daren P. Desch, maintenance worker (General B) in Office of Physical Plant.  
Philip D. Floyd, laboratory preparation technician at Penn State Beaver Campus.  
Elmer J. Fry, boiler operator in Office of Physical Plant.  
James S. Knepper, heating and ventilation technician at Penn State Mont Alto Campus.  
Ronald K. Stover, plumber/fitter in Office of Physical Plant.  
William S. Weaver, special relief utility operator in College of Agricultural Sciences.

# BOOK SHELF

Robert A. Bartkowiak, professor of engineering at the Penn State Allen-Clinton Campus, had his textbook *Electric Circuit Analysis* translated into Portuguese.

The textbook *Circuitos Elctricos*, c. 1995, was translated by Makron Books Editora Ltda of Brazil, a subsidiary of McGraw-Hill. It is a 590 page textbook published originally in 1995 by Harper & Row. It was then acquired by Wiley which then published an international edition.

The textbook was written for use in electrical engineering technology programs. It contains circuit analysis concepts and problems concerned with circuit elements, analysis techniques, and three-phase circuits.

Other textbooks written by Professor Bartkowiak have been translated into Chinese.

Beth E. Barnes, associate professor of advertising in the School of Communications, is co-author of the fourth edition of *Strategic Advertising Campaigns*, a textbook on the fundamentals of formulating and implementing comprehensive and contemporary communications campaigns.

The latest edition contains a new focus on integrated communications strategy and consumer behavior, reflecting changes that are rapidly transforming the advertising industry. The book is a comprehensive guide for communications students and professionals.

Among the chapter topics are, understanding the changing marketplace, brands and branding; a new model for advertising: channel messages and trade incentives; selling management on campaign strategy, and ethical issues in marketing communications.

Dr. Barnes teaches introduction to advertising and advertising campaigns courses and is the faculty adviser to the Advertising Club. She writes a monthly advertising column for *Construction Marketing Today*.

Ronald L. Filippelli, professor of labor studies and industrial relations and associate dean for administration, planning and the liberal arts in the College of the Personal Arts, is co-author of *Cold War in the Working Class: The Rise and Decline of the United Electrical Workers*. Mark McCulloch, associate professor of history at the University of Pittsburgh at Greensburg, is co-author.

Published by State University of New York Press, the book recounts the history of the union from its beginning in 1933 to 1990. Once the third largest industrial union in the nation, the United Electrical Workers was the most powerful left-wing institution in United States history

and arguably the most important victim of the anti communism purges that marked post-World War II America.

The book concentrates on the struggle for control by left- and right-wing factions inside the union, against a backdrop of the government's attack on American radicals during the Cold War period. It also carries the story to present day, showing the long-term effects of the ideological battles on unionization in the electrical manufacturing industry.

Iam-Choon Khoo, professor of electrical engineering, is the author of *Liquid Crystals: Physical Properties and Nonlinear Optical Phenomena*. The book offers a concise yet comprehensive introduction to the basic principles underlying the unique physical and optical properties of liquid crystals, and a comprehensive treatment of nonlinear optical phenomena occurring in liquid crystals.

The first part of *Liquid Crystals* is devoted to the physical properties of the thermotropic liquid crystals. Following a discussion of their molecular and chemical structures, the author delves into all major theoretical aspects of their isotropic and liquid crystalline phases.

The second part of *Liquid Crystals* is concerned with nonlinear optical phenomena—especially nonlinear optical responses of liquid crystals to light and laser fields.

The first concise yet all-inclusive introduction to the subject, *Liquid Crystals* functions equally well as an upper-level student text for optical engineering courses and a basic reference for researchers in optical engineering.

E. Willard Miller, professor of geography emeritus; Robert F. Schmalz, professor of geology emeritus; Gregory S. Forbes, associate professor of meteorology; A.A. Panah, University of Pittsburgh at Bradford, and S.K. Magumdar of Lafayette College are co-authors of *The Oceans: Physical-Chemical Dynamics and Human Impact* published by the Pennsylvania Academy of Science. The volume recognizes the unique importance of oceans with their high kinetic energy influencing the climates of the world, but also the potential for food, energy, and mineral production.

Topics in the book were chosen to reach a balance between physical dynamics, climate effects and human relevance of the ocean environments. The most important dynamic processes have been examined in the light of modern physical-chemical dynamics and modeling techniques. Oceans interact with surrounding

environments, such as the biosphere and atmosphere, while oceanic processes relate to astronomical forces. Human impact on the oceanic environment has been specifically covered in terms of physical-chemical and biological contaminations and modifications.

Gerald M. Moser, professor emeritus of romance languages, is the author of recently published *Seven Essays on Joseph Priestley*. The book deals with diverse aspects of the personality and life of Joseph Priestley, the Unitarian minister, scientist and educator, who took refuge in the Unitarian cause and founded the first Unitarian fellowship in 1796.

The essays cover Priestley's life as husband, writer, political thinker, religious reformer and educator. The work analyzes the Unitarian minister's strength of character and faith when faced with disasters, his love of children and his merits as a man ahead of his time.

Dr. Moser, a founder of the Unitarian-Universalist Fellowship of Centre County, Pa., took the time to celebrate the 200th anniversary of the Priestley family's arrival and settlement in a small frontier town of Pennsylvania.

The Polish translation of the book *Statistics and Truth: Putting Chance to Work*, by C.R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, has been published by the Polish Scientific Publishers PWN Ltd., of Warszawa, Poland. The book traces the history of statistics from primitive times to its uses in the modern era in government, business and science. It discusses philosophical issues, including the nature of creativity, connected with the creation of new knowledge based on empirical evidence.

The book was first published in English in 1989 by the Council of Scientific and Industrial Research (CSIR) in India, and then reprinted in the United States. The Japanese and Spanish translations were published in 1994.

William J. Rothwell, associate professor of human resource development in the College of Education, has had the following books published recently.

**Effective Succession Planning: Ensuring Leadership Continuity and Building Talent From Within**, available from the AMA/ACM, a division of the American Management Association; **Improving On-the-Job Training: How to Establish and Operate a Comprehensive OJT Program**, published by Jossey-Bass. The book was written with H. C. Kazanas, retired professor of education at the University of Illinois at Urbana-Champaign; and revised editions of **Planning and Managing Human Resources: Strategic Planning for Personnel Management, and Human Resource Development: A Strategic Approach**. HRD Press, both written with Dr. Kazanas.



## PENN STATERS

Iam-Choon Khoo, professor of electrical engineering, presented an invited paper on "Photorefractive Effects in Dye- and Fullerene-doped Nematic Liquid Crystal Films" and chaired the Photonics Material Symposium at the 3rd International Conference on Frontiers of Polymers and Advanced Materials at Kuala Lumpur, Malaysia.

Samuel M. Curtis, regional extension director for the Northeast, was the distinguished lecturer at the American Association of Agricultural Educators meeting in Dallas. The title of his lecture was "Triciple Driven Programs — Guideposts for Change."

Marea Mannion, assistant professor of journalism, presented two papers on media and criminal justice issues at the American Society of Criminology International Conference in Miami. One of the papers, "America's Most Wanted—An Ethnography," will be part of a published anthology of selected papers focusing on "Reality and Tabloid Television."

Philip Mosley, associate professor of English, communications, and comparative literature at the Penn State Worthington Scranton Campus, has been awarded a Bursary by the British Centre for Literary Translation, University of East Anglia, Norwich, England. Dr. Mosley will work on Belgian Surrealist texts at the centre in May.

Robert D. Richards, assistant professor of journalism and law, has been awarded a \$3,500 Freedom Forum Professors Publishing Program Grant. Funds will be used to support work on a book exploring recent issues in First Amendment law including SLAPP suits, campus speech, and new technologies.

## Private Giving

## Alumnus endows program for engineering students

A \$448,000 bequest from Robert W. Kremer, a 1929 Penn State civil engineering graduate, will provide endowed support for generations of outstanding engineering students.

The bequest will endow the Robert W. and Evelyn Kremer Memorial Scholarship.

A retired registered professional engineer, Mr. Kremer was an associate of Cappe & Associates of Washington, D.C., a consultant engineering firm. From 1954 to 1967, he served as manager of the Latrobe Municipal Authority and head of the borough's water and sewer departments. During his

tenure, he oversaw the addition of a sewage facility, a 1.2 billion gallon reservoir and a new chemical treatment plant.

Earlier Mr. Kremer served as a regional sanitary engineer with the Pennsylvania Department of Health.

An Army veteran of World War II, he was a member of the Latrobe American Legion Post 515. He was active in the Silver Spring Presbyterian Church, Elks Lodge 907, the American Water Works Association and the Water Pollution Control Association.

## Gift will fund new position for Japanese studies

The Department of Comparative Literature in the College of the Liberal Arts has received a grant of approximately \$100,000 from The Japan Foundation to establish a new position in Japanese and comparative literature.

The funds provide partial support for the position, the third in Japanese language and literature at the University, for three years. The College of the Liberal Arts will continue the position after the conclusion of the grant period.

"This funding will raise the profile of Japanese studies in Pennsylvania," Caroline D. Eckhardt, head of the Department of Comparative Literature, said. "It will contribute to a greater knowledge and appreciation of Japanese literature and culture, and will expand research on Japanese literature. With three continuing positions in Japanese, the department will also be able to develop a new major in Japanese." The department now offers a minor in Japanese language and literature.

The grant from The Japan Foundation is a big step forward for the department and college in enabling us to meet the growing student demand for

Japanese language instruction," Susan Welch, dean of the College of the Liberal Arts, added. "Enrollments will continue to grow as students express increasing interest in international ties and as other parts of the University add international components to their curricular requirements."

Japanese literature in translation has been taught by the comparative literature faculty since 1972. In 1980, Japanese language was introduced, and since 1988, intermediate and advanced courses have been taught. Students may participate in the University's Education Abroad Program at Kansai Gaidai in Osaka.

The College of the Liberal Arts has previously received a grant for Japanese-language teaching materials awarded to the Department of Comparative Literature and funding for the establishment of a faculty position in Japanese history from The Japan Foundation.

The foundation is an independent philanthropy with offices in New York and Tokyo. It supports projects in the United States and Japan that promote better understanding between the two nations.

## Partings

## Professor of health policy ends 26 years of University service

Marshall Raffel, professor of health policy and administration in the College of Health and Human Development, has retired with emeritus rank after 26 years service.

Dr. Raffel came to the University in 1968 after working in the Surgeon General's Office of Comprehensive Health Planning. At Penn State he helped create the undergraduate program in health policy and administration as well as the HPA master's and doctoral programs in community systems planning and development. He was best known for teaching HPA 101 and his courses on Health Planning Principles and Comparative Health Systems.

With his wife, Norma K. Raffel, he wrote *The U.S. Health System: Origins and Functions*, one of the first textbooks on the U.S. health system, now in its fourth edition. He co-edited another book, *Comparative Health Systems*, and he and his wife co-wrote *Perspectives on Health Policy*. The Raffels are working on a new book, *Convergence of National Health Systems*, scheduled to be published by Penn State University Press later this year. Dr. Raffel is the former director of the American Academy of Health Administration and served as chairman of its training committee. He also chaired the undergraduate task force of the Association of University Programs in Health Administration, and received

its 1975 Distinguished Service Award.

He holds a bachelor's in philosophy from the University of Illinois and a doctorate in political science from Victoria University of Wellington, New Zealand.

His retirement plans include writing and continuing his international consulting work in Central and Eastern Europe.



Marshall Raffel

## Assistant to the dean in the College of the Liberal Arts retires

James Winck, assistant to the dean/adviser in the College of the Liberal Arts, has retired after 25 years service.

Mr. Winck joined the University in 1969 as a computer operator/supervisor while completing his undergraduate degree. He completed his master's degree during his tenure as supervisor of operations and an undergraduate adviser in the Division of Undergraduate Studies 1973-1979. Between 1979-1981 he served as an assistant director in Undergraduate Admissions where his primary duties included coordinating the out-of-state recruitment activities.

In 1981 Mr. Winck joined the Office of University Development as an assistant director of special projects in the Office of Annual Giving, and was a part of Penn State's first Major Gift Campaign. Since 1989 he served in two administrative capacities in the College of the Liberal Arts, first as coordinator of the



James Winck

Undergraduate Records Operation and recently as assistant to the dean/adviser in the Labor and Industrial Relations Department.

Mr. Winck has been active in community affairs since the early 1960s and currently is a board member of Centre Home Care and chair of the Resource and Development Committee. His wife, Sue, is the administrative director for Undergraduate Programs in The Smell College of Business Administration.

Mr. Winck plans on pursuing a new career in the financial consulting profession.

## The PHILADELPHIA REGION

PENNSYLVANIA LOCATIONS  
Delaware County, Great Valley  
Oquirrh, The Philadelphia Community Reinvestment Center

### Penn State Forum

The 1995 Penn State Forum - an annual invitational discussion series sponsored by the University's three Philadelphia area campuses - began Jan. 31 with an examination of new communications technologies and their impact on the region. Roughly 55 business leaders, educators and government officials attended Session I, titled Communications Today and Tomorrow, led by Penn State Great Valley campus executive officer Lawrence C. Cote and keynote speaker William Harra, president and chief executive officer of Bell Atlantic - Pennsylvania, who spoke on the impact of telecommunications on small business.

Session II, titled A Competitive Region via Communications, will be held March 15. On April 20, the Forum concludes with Communications for Business and Medicine. For information on the forum, contact Richard Tesar, regional director of university relations, Philadelphia area, at 610-648-3208.

### Milheim honored

William D. Milheim, assistant professor and program coordinator of instructional studies at Penn State Great Valley, has been awarded the 1994 College of Education Outstanding Faculty Award.

### Chemistry professor gets grant

Michael De Rose, professor of chemistry at Penn State Delaware County Campus, has been awarded a \$147,100 grant from the National Science Foundation to fund a project titled "Chemical and Physical Properties of 2-Aminopyrroles." The three-year research project begins May 1 and will include undergraduate students at the campus. The grant is a renewal of a previous, \$140,000 grant.

### Making science fun at Ogontz

The mysteries of science will be unraveled for students in grades five and six during a new Saturday morning program at the Penn State Ogontz Campus in Abington.

Each session in the six-week program will demystify the concepts and basics of science by use of simple language and connections to everyday events. The goal is to entertain and enlighten children while improving their understanding of science and to provide motivation toward further study of the sciences. The program will be held from 9 to 11:30 a.m. March 4 to April 8. For information and registration, call (215) 881-7376.



Starting over again

Students in this theatre class, Movement II, are learning how to use their bodies in the most efficient and versatile ways possible.

Photo: Greg Grieco

## Obituaries

Francis L. Ferguson, professor of humanities and architecture at Penn State Harrisburg, died Jan. 28. He was 62.

Prior to joining the Penn State Harrisburg faculty in 1971, Dr. Ferguson was a member of the faculty at Columbia University's School of Architecture. He held a bachelor's degree in architecture from the University of Notre Dame and a doctorate in urban planning from Columbia University.

After graduation from Notre Dame, he served with the U.S. Army Corps of Engineers in France where he designed facilities for the selection ceremony of the Unknown Soldier for World War II Europe at the American Cemetery and Memorial in Epinal. He received the Army Commendation Ribbon for the project.

Dr. Ferguson was the author of

several academic books on architecture and related fields. At Penn State Harrisburg, he also served as chairman for the graduate program in urban and regional planning.

Nathan J. Fine, retired professor of mathematics, died Nov. 18. He was 78.

A graduate of Temple University, he received M.A. and Ph.D. degrees from the University of Pennsylvania.

Dr. Fine was the author of a college-level introductory textbook, *Introduction to Modern Mathematics*. His fields of interest included number theory, probability, harmonic analysis, group theory, and combinatorial analysis.

He joined the Department of Mathematics faculty in 1963 and retired Jan. 1, 1979.

## Department head sought for mathematics

The Eberly College of Science invites applications and nominations for the position of head of the Department of Mathematics. Candidates for the position should hold a standing academic appointment; have a distinguished record of mathematical research and teaching, and should have demonstrated superior administrative or leadership skills, qualifying them to play a key role in the further development of the department.

Applications and nominations received by March 1 will receive full consideration and should be sent to Professor George Andrews, chairman, Search Committee, 410 McAllister Building, University Park.

## PENNSTATE INTERCOM

Department of Public Information  
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Lisa M. Rosellini, editor  
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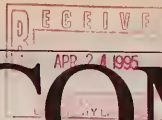


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PENN STATE



# INTERCOM



February 23, 1995

Volume 24, Number 22



## Sweet relief

Kelly Hoffman (right) a University Creamery worker serves up a generous helping of ice cream to a customer who came in to see the newly renovated facility at University Park. The Creamery officially re-opened for business Wednesday with a celebration in which President Thomais performed a ceremonial "cone-dipping."

Photo: Greg Grieco

## Interactive learning gets boost from Bell

Two of the University's new programs that will prepare students to work collaboratively in a technology-based world have gotten a boost from Bell Atlantic with gifts totaling \$180,000.

Calling it "an affirmation of Penn State's ability to enhance Pennsylvania's educational and health care systems," Tony DiGiovio, Bell Atlantic vice president for external affairs and public relations, presented a \$150,000 check to Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System, and a \$30,000 check to Terri Brooks, dean of the School of Communications.

The gifts will support Project Vision, a curriculum for freshmen to be offered initially at Penn State's Berks, Delaware County and Mont Alto campuses, and the School of Communications' New Media Center, which includes new multi-media curriculum training and support services for faculty, students and the community.

"We are pleased to have Bell Atlantic as a partner in Project Vision," Dr. Dunham said. "It is a bold venture utilizing personalized mentoring and learning activities coupled with the latest telecommunications technology to reach first-year students at three Penn State Commonwealth Educational System campuses."

"Thanks to Project Vision, students will be free from location and time restrictions. Facilitated by faculty mentors, students will depart from today's passive-recipient learning style to adopt a more active and collaborative methodology."

Except for traditional courses, students in the project will not attend formal classes and faculty will not be expected to lecture. Using computers, students will work with teams of students across campus boundaries and will access national and international information sources. Faculty will serve as mentors and coaches rather than providers of information.

Project Vision imagines a future work-force engaged in continuous learning with

## Consortium wins \$3 million research grant

The Mid-Atlantic Universities Transportation Center (MAUTC) at the Pennsylvania Transportation Institute has won a competitive bid to receive continued funds totaling approximately \$3 million over the next three fiscal years, 1995-1997.

Penn State is one of 10 institutions of higher learning selected by the U.S. Department of Transportation to receive funds to establish and/or operate regional transportation centers in the University Transportation Centers Program (UTC), a nationwide effort initiated by the U.S. DOT in 1987 to advance America's transportation education, research, and technology transfer activities. This is the first year the UTC grants have been open for competition since the original competitive selections in 1988.

Established in 1988 and supported in part by joint grants from the Federal Highway Administration and the Federal Transit Administration, MAUTC is a five-university consortium led by Penn State (the consortium also

includes the University of Pennsylvania, the University of Virginia, Virginia Polytechnic Institute and State University, and West Virginia University). Since its founding, MAUTC has engaged research personnel and facilities in nearly 100 research, education, and technology transfer projects. A large portion of the center's current research efforts are in cooperation with the Pennsylvania Department of Transportation through the MAUTC/PennDOT Partnership that was formed in 1993.

"Continued federal support is particularly important to MAUTC as we continue to expand the partnership between Penn State and PennDOT," James H. Miller, associate professor of business logistics, PTI research associate, and MAUTC director, said. "The partnership enables University faculty and students to address critical issues facing the Commonwealth's transportation system and also provides

See "Grant" on page 3

See "Bell Atlantic" on page 3

# Inside



Eric A. Walker, Penn State's 12th president, died Feb. 17. Pictorial tribute on pages 6 and 7.



Researchers say dairy hormone is no challenge to current U.S. farm economic policy. See page 11.

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## Women's History Month Celebrations planned for March

March is National Women's History Month and several University locations are planning events to spotlight the lives and achievements of women past and present. Following are scheduled events:

### DuBois Campus

■ An early kickoff to the month-long celebration is set for Saturday, Feb. 25, with activities centering on achievements and advances made by females in sports. "Girls and Women in Sports Day" activities will include several audience participation events in the DuBois Area High School Auxiliary Gym.

Members of Penn State's nationally ranked women's lacrosse and fencing teams will join young women athletes from seven local high schools, along with their coaches, families and friends from 11 a.m. to 1 p.m. for a series of demonstrations, motivational talks, and fun. In addition, an awards ceremony will recognize area high schools' outstanding female athletes.

■ On Tuesday, March 14 at 7:30 p.m. in Hiller Auditorium, dramatist Daisy Thomas-Quinney, in conjunction with The Voices of Freedom, will present a program covering the incredible life of one of the Civil War era's most outstanding female figures, Harriet Tubman.

■ From 10 a.m.-noon on March 15, Ms. Thomas-Quinney returns for an open discussion with members of the campus community and guests from the DuBois Area High School. "Backstage With Daisy Thomas-Quinney" will focus on the social and historical impact of several notable female historical figures.

■ The final events will focus on women's involvement with science, engineering, and technology.

Elk County veterinarian Nancy Stine Meyer will bring a double-faceted program to the campus on Thursday, March 23. Dr. Meyer will speak about the challenges she and other women have faced as a result of choosing careers that require extensive study and mathematics.

Also speaking on March 23 will be Jan May, instructor in mathematics at the campus, who will cover some of the important contributions women mathematicians and scientists have made over the years.

### Beaver Campus

■ Weekly Movie Series: at 9 p.m. every Wednesday, Thursday and Friday, in Harmony Hall Lobby. Week of March 12: "Widows' Peak," week of March 19: "The Ballad of Little Jo," and week of March 26: "A League of Their Own."

■ Brown Bag Lunch Series: The following Thursdays at noon, Room 16 Student Learning Center Conference Room, lunch will be provided. March 2: Barb Neches, Price Waterhouse certified public accountant and Penn State graduate; March 16: Karen Hywats, regional artist instructor at Sweetwater Art Center, Sewickley; March 23: Judy Young, ARCO Co. chemical engineer.

■ Career Speakers: Sally Wiggin and Brenda Waters - WTAE & KDKA newscasters, 12:30 p.m. Thursday, March 30, in the Study Learning Center Aud.

### Penn State Harrisburg

An exhibit from the valued Alice Marshall Collection, concerts, lectures and discussions highlight Penn State Harrisburg's celebration of Women's History Month. The observance, featuring 10 separate events, is underscored by the month-long Marshall exhibit in the Gallery Lounge of the Cline Building.

The collection, considered the most comprehensive collection of women's history materials ever assembled by a single individual, is housed at Penn State Harrisburg. It was acquired in 1991 from Camp Hill resident Alice Marshall. The exhibit is open to the public.

■ A concert by local residents Renee Basel and Felicia Brown-Haywood March 2 in the Gallery Lounge kicks off the celebration. Titled "Sisters United in Song," the presentation begins at noon.

■ On March 15, poet Gillie Haynes Joseph will make two appearances. At noon, she will speak on "Beyond My View: Celebrating a Woman's Life Through Poetry" at the Penn State Eastgate Center. At 7 p.m. in the campus Gallery Lounge, her appearance is titled "Movin' on in Spirit."

Ms. Joseph, a poet, has been featured on many programs and has also written several short stories. ■ On March 17 at 9 a.m. in the Gallery Lounge, Kathryn Geller Myers will lecture on the Pennsylvania Coalition Against Rape.

■ March 20 at 9 a.m. in the Gallery Lounge, Air Force Lt. Col. Judith Kautz will discuss "Women in the Military."

■ A professional women's panel will highlight the March 22 Gallery Lounge presentation. The Re-entry Women Network event begins at noon.

■ Historian Linda Gordon will present a lecture on "Women and Welfare" at 7:30 p.m. March 23, in the Gallery Lounge. A distinguished research professor at the University of Wisconsin since 1993, Dr. Gordon holds a bachelor of arts degree in history from Swarthmore College and her master's and Ph.D. from Yale University.

■ Russian scholar Nadezda Shvedova, with the USA/Canada Institute in Moscow, will lecture on "International Women's Movement Experiences" at noon March 27, in the Gallery Lounge.

■ The celebration of Women's History Month concludes on March 29 with a Mitchell in the Gallery Lounge.

All Women's History Month events listed are open to the public.

### McKeesport Campus

A luncheon for women on campus will be held at noon on Friday, March 24. The guest speaker for the event will be Sally Wiggins, news anchor on WTAE-TV Channel 4, the ABC affiliate in Pittsburgh.

## Where in the WORLD is a Nittany Lion?

By February, most students notice that their ranks are their classmates gone? Many left last month for Latin America, Australia, Asia, Africa, Europe, and the tropics — to study.

"Spring semester is the most popular time for a Study Abroad semester, although several also go for the entire academic year," Casimer Sowa, study abroad adviser for the Office of Education Abroad Programs, said. In fact, more than 300 students are now abroad through one of Penn State's programs offered in 32 countries and Puerto Rico.

The number of Penn State students studying abroad has grown steadily over the past few years, now averaging 6 to 7 percent of each graduating class, and most of them first learned about the program through their professors and advisers.

"We count on faculty and administrators to alert students to the personal benefits and global importance of the study abroad experience," Mr. Sowa said. "Some of the strongest programs are ones in which faculty have taken an interest and have actively recruited students to apply."

Students are encouraged to participate in international programs to prepare themselves for work in a global economy. The 124-nation GATT trade agreement specifically notes that international education is an important criteria for links between nations, and, in its strategic planning, Penn State notes the need for students to develop communication skills to overcome cultural and political barriers between the U.S. and other countries.

"The University currently is expanding its programs abroad and eventually hopes to reach a point where 20 percent of those who

receive baccalaureate degrees will have spent at least one semester abroad," Michael Laubscher, director of the Office of Education Abroad Programs, said.

The future focus for the Education Programs is on increasing enrollment in newly established and under-enrolled programs. For example, seven new science programs were established in Britain last year through the Eberly College of Science to give students the opportunity to broaden their scientific perspective. These are offered at the University of Bath, the University of Essex, the University of Leeds, the University of Sussex, the University of Kent at Canterbury, the University of Wales at Aberystwyth, and the University of Glasgow in Scotland.

"No matter what the curriculum, students can fit a semester, year or at least a summer of study abroad into their schedule — if they plan ahead," notes Katie Porter, Study Abroad Adviser. Students can often select programs with offerings that can fit course requirements in their major, minor, general education or electives, as well as the cultural diversity requirement.

Some programs are tailored to specific areas. For example, business students have studied international business in Asia, Australia, Europe, Latin America, New Zealand or the Middle East. Engineering students can study in England or Spain, and science students can study in Great Britain, New Zealand or Australia. Other programs are more general in their focus. Some of the most popular programs are a variety of language and liberal arts programs offered in Europe, Asia, the Middle East and Australia.

For more information, contact the Office of Education Abroad Programs at (814) 865-7681.

## Beyond the Dream showing Feb. 24

Continuing and Distance Education, East Halls Residence Life, and East Halls Housing will sponsor a public viewing of the videotape of the recent videoconference, BEYOND THE DREAM VII: A Celebration of Black History, at noon Friday, Feb. 24, in the Findlay-Johnson Commons in East Halls at University Park.

Produced by Black Issues in Higher Education, this year's BEYOND THE DREAM series features panelists

author Nathan McCall, political activist the Rev. Al Sharpton, psychiatrist Frances Cruse Welsing, USA Today columnist Julianne Malveaux, and many others discussing "The Vanishing Black Male: Saving Our Sons."

In commemoration of Black History Month, C&DE, East Halls Residence Life and East Halls Housing will present the two-hour videoconference as a joint initiative open to the Penn State town-and-gown community.



# CQI

**CONTINUOUS  
QUALITY  
IMPROVEMENT**

## Penn State QUALITY EXPO '95

Mark your calendar to attend the Penn State Quality Expo '95 on April 6 from 11:30 a.m. to 3:30 p.m. in the Nittany Lion Inn. Among the activities will be a "quality circle" of presentations about Quality Improvement

initiatives. The following presenters have agreed to participate:

- 2:00 - 2:20 p.m. "Benchmarking: What We Learned" Kathleen Kimball, university computer, network and information security officer, Computer and Information Systems; Gloria St. Clair, associate dean & head of Information Access Services, University Libraries
- 2:30 - 2:50 p.m. "Team Building Activities" Gerald (Corky) Potter, program director, Laurie McLaughlin, teambuilding director, Shaver's Creek Environmental Center
- 3:00 - 3:30 p.m. "Life of a Team" Gerry Browder, human resource development specialist, Human Resource Development Center

The following guests have been invited to attend the Quality Expo:

- United States Navy Captain Barbara Stankowski, a Penn State graduate from the College of the Liberal Arts;
- William Geoghegan, Higher Education unit, IBM;
- Randy Guschl, director of technology acquisition, DuPont.

A Quality Expo Planning Team is working to make this an exciting and fun event. Members of the team are: Robin Anderson, Carol Everett, Jackie Esposito, Jill Harris, Judy Hewes, Ginny Newman, James Purdum, Louise Sandmeyer, Donna Schroeyer, Barbara Sherlock, and Jack Winter. Other planned activities include CQI team and individual exhibits, a media room, and a shuttle to the Team Decision Center at Penn State Scenic. It should be a day for sharing, learning and celebrating Quality Improvement!

## Registrar's Office CQI Team Presents at Association Meeting

The Registrar's Office Transcript CQI Team made a presentation at the annual meeting of the Middle States Association of Campus Registrars and Admissions Officers (MSADRAO), which was held in Atlantic City, NJ, from Nov. 28 - Dec. 1, 1994. The presentation, "Continuous Quality Improvement in the Registrar's Office," was given by team members Julie Glibbooney, Wanda Givler, Sharon Hilliard and Dona Oberhelmi.

## CARPOOLERS

Judy and Dan are looking for a rider to carpool from Holidaysburg, Altoona, or Tyrone to University Park. Work hours are 8 a.m. - 5 p.m. Monday through Friday. Call 865-6301 or 632-8462 (Judy/home) or 942-7658 (Dan/home).

## Grant

continued from page 1

educational opportunities for graduate and undergraduate students in the College of Engineering, The Smell College of Business Administration, and other academic units.

MAUTC's research direction, which ranges from highway building and design to administration and policy, has encompassed areas such as advanced transit systems, bus transit security, transit management strategies, accidents and risk management, congestion management, surface freight transportation technology, pavement maintenance management, and intelligent transportation systems.

## Penn Staters

Leonard G. Austin, professor emeritus of fuels and mineral engineering, gave a plenary lecture on Liberation and a paper on high-pressure grinding rolls at the conference IV Encuentro Hemisferio Sur Sobre Tecnologia Mineral in Concepcion, Chile. He also made presentations at six universities in Peru and at the National University of Colombia (Medellin).

Subhash Chander, professor of mineral processing, presented a plenary lecture on "Oxidation of Sulphide Minerals" at the conference IV Encuentro Hemisferio Sur Sobre Tecnologia Mineral in Concepcion, Chile.

Richard Klimpel, adjunct professor of mineral

processing, spoke on new chemicals for froth flotation processes at the conference IV Encuentro Hemisferio Sur Sobre Tecnologia Mineral in Concepcion, Chile.

Mark Roberts, professor of economics, presented a paper, "Sunk Costs and the Decision to Export," at a conference on Dynamics of Employment and Industry Evolution, University of Mannheim, Germany. He also presented a paper, "Price and Markup Dispersion for U.S. Manufactured Products," in seminars at the London Business School, London School of Economics, Institute for Advanced Study in Vienna, Austria, and Katholieke Universiteit, Leuven, Belgium.

## Bell Atlantic

continued from page 1

the ability to use knowledge as a tool for the development of analytical skills. "Learners in the 21st century will require a set of skills vastly different from today's passive, fact-absorption skills that are expensive, inflexible and quickly obsolete," Dr. Dunham said.

This semester, six faculty are developing materials and learning strategies for the program, and three more will work on the implementation plan this summer. In the fall, 20 freshmen each from the three campuses will be enrolled in the program. Students will work in teams with other students across campus boundaries as well as on the same campus, and projects and problems will be designed to encourage involvement in local communities.

Bell Atlantic's support for Penn State's New Media Center also focuses on integrating interactive media into the curriculum. Initiated by the College of Arts and Architecture, the Center for Academic Computing and the School of Communications, it consists of one virtual media center geographically distributed over five sites, one of which will be located in Carnegie Building, headquarters of the School of Communications.

"Bell Atlantic's support allows us to stay on the leading edge of new information technologies," Dean Brooks said. "It will help us develop media-based course materials for on-campus and distance education as well as develop workshops and seminars to familiarize the communi-

ty with the concept of interactive learning."

Bell Atlantic Vice President Ted Raffetto added that Bell Atlantic's support of Project Vision and the New Media Group "demonstrates our confidence in Penn State's ability to transform education in the 21st century and to reach more Pennsylvanians with high-quality learning opportunities."

Last November, Bell Atlantic awarded a \$150,000 grant to the Hershey Medical Center to enhance the telemedicine, teleradiology and desktop medical conferencing capabilities of the PA HealthNet and make quality health care services equally accessible to rural and urban areas.



Members of the University administration meet with Bell Atlantic representatives before the presentation of a gift totaling \$180,000.



Jack Laurer, assistant professor of journalism in the School of Communications, tests out some of the new equipment in the Media Center purchased with a gift from Bell Atlantic.

Photos: Greg Grieco

# LECTURES

William A. Schreyer Ambassador Lecture

## New Zealand ambassador to address University on March 1

John Wood, New Zealand ambassador to the United States, will deliver the inaugural William A. Schreyer Ambassador Lecture at 3 p.m. Wednesday, March 1, in Room 201, Business Administration Building 1, at University Park.

Titled "Global and Asian-Pacific Economic Regimes: New Zealand Perspectives and Contributions," Ambassador Wood's presentation is sponsored by The Smell College's Center for Global Business Studies in collaboration with the Australia-New Zealand Studies Center and the Asia Pacific Task Force.

Ambassador Wood has an extensive background in economics and international trade, having previously served as deputy secretary of economic and trade relations and director of the North Asia Division of the New Zealand Ministry of External Relations and Trade. Under the New Zealand Ministry of Foreign Affairs, he also served as head of the Economic Division.

The Center for Global Business Studies is a new, multidisciplinary research

center delving into emerging business issues in the international marketplace. In addition to sponsoring the William A. Schreyer Ambassador Lecture Series, the center will hold a series of symposia to

**The Center for Global Business Studies, the sponsor of the lecture, is a new, multidisciplinary research center delving into emerging international business issues.**

provide opportunities for executives, faculty members and students to exchange knowledge and ideas on current international business issues. The center is directed by Farizor Ghadar, holder of the William A. Schreyer Chair in global management, policies and planning.

## MSU researcher to give March 1 talk at University Park

Sigma Xi National lecturer Robert S. Root-Bernstein will visit the University Park Campus on Wednesday, March 1, to present his talk, "Art, Music and Scientific Thinking." The lecture will begin at 4 p.m. in 101 Agricultural Sciences and Industries Building and is hosted by Sigma Xi Penn State Chapter.

Dr. Root-Bernstein received his AB in biochemistry in 1975 and his Ph.D. in the history of science from Princeton University in 1980. He completed his post-doctoral training with Jonas Salk at the Salk Institute for Biological Studies in San Diego, where he was the recipient of a

MacArthur Fellowship which he used to explore the nature of scientific creativity and develop a new theory of auto-immune diseases.

Currently an associate professor in physiology at Michigan State University, he performs research on AIDS and auto immunity, and is a consultant to Parke-Davis Pharmaceutical Research Division and Chiron/Cetus. Dr. Root-Bernstein's publications include: *Discovering* (Harvard University Press, 1989), and *Rethinking AIDS* (Free Press, 1993). He is a member of Sigma Xi, the International Arts-Medicine Society and the Society for Literature and Science.

## Nutrition lecture set for Feb. 28

Mindy S. Kurzer, assistant professor of nutrition at the University of Minnesota, will speak at 4 p.m. Tuesday, Feb. 28, in S-209 Henderson Building as part of the Ruth L. Pike Lecture Series. The title of her talk is "Effects of Plant Estrogens on Reproductive

Hormones: Implications for Cancer Prevention."

The lecture series supports talks by visiting young scientists who are making significant contributions to the field of nutrition through their research.

## April 7 talk hosted by Department of French

Elaine Marks, Germaine Bree Professor of French and women's studies at the University of Wisconsin-Madison, will present a lecture at 2:30 p.m. Friday, April 7, in 101 Kern Building, as

part of the Table Ronde Series sponsored by the Department of French. Her presentation will be based on a chapter from her recent book *The Jewish Presence in French Writing*.

## MSU history professor to speak Feb. 28 on African American women



Darlene Clark Hine

The School of Communications celebrates Black History Month by hosting Professor Darlene Clark Hine, the John A. Hannah Professor of American history at Michigan State University.

Professor Hine will deliver a lecture on "Culture, Consciousness, and Community: The Making of an African American Women's History"

at 6 p.m. Tuesday, Feb. 28, in the Carnegie Cinema. Other sponsors for the event include the African and African American Studies Department, the Equal Opportunity Planning Committee, and the Center for Women Studies.

Dr. Hine is editor of an award-winning, two-volume set, *Black Women in America: An Historical Encyclopedia* (Carlson Publishing, 1993). She is the author of *Black Women in White: Social Conflict and Cooperation in the Nursing Profession, 1890-1950*; *Black Victory: The Rise and Fall of the White Primary in Texas*; and *Women's Culture and Community in Indiana, 1875-*

1959. Her numerous articles have appeared in a wide variety of periodicals and she is the editor of *The State of Afro-American History: Past, Present, and Future*, as well as Carlson Publishing's 16-volume series *Black Women in United States History: From Colonial Times to the Present*.

For additional information, contact Joseph M. Selden, director of multicultural affairs, at (814) 863-6081.

## 25-year Awards



Observing 25 years of service at the University are, from left, John D. Connor, professor of pharmacology, The Hershey Medical Center; Paul J. Horner, warehouse worker, Salvage and Supt., Business Services; D. Douglas Miller, professor of music, College of Arts and Architecture; Charles Poust, Service Desk coordinator, Office of Physical Plant; Clarence H. Stoner, assistant professor of exercise and sport science, College of Health and Human Development; and Beno Weiss, professor of Italian, College of the Liberal Arts.



## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Sears Directors Cup

With its overall fall performance, Penn State earned top ranking in the Sears Directors Cup evaluation of the leading athletic programs in the nation. The fall semester was a winning one as well for Nittany Lion and Lady Lion student-athletes. A summary of academic performance reveals that 15 of the 27 teams (men and women's indoor and outdoor track each count as one) achieved a cumulative grade-point-average of 2.9 or higher. Eight squads, led by Sue Rankin's softball team, had a GPA over 3.0. A total of 106 student-athletes made the Dean's List with a GPA of 3.5 or higher, including at least one representative from 24 different sports teams. The men's track and field squad had 14 athletes on the Dean's List followed by women's track with 12, women's swimming and softball with eight.

### Lady Lion Volleyball

Four members of the Lady Lion volleyball team have been honored by *Volleyball Magazine*. Senior setter Satina Davidson was named a second-team All-America. She earlier was a first-team selection of the American Volleyball Coaches Association. Seniors Laura Cook and Saundi Lamoureux were honorable mention choices. The team's MVP was named to the magazine's All-Freshman team.

### Gymnastics double double meet

One of the highlights of the gymnastics season will be a double double meet with Michigan State on Saturday, Feb. 25, in Recreation Bldg. Both Randy Jepson's men's team and Steve Shepard's Lady Lions will be in action against their conference rivals. It will be the final home appearance of the season for the Lady Lions, who wind up their season with a grueling five-meet, ten-team road trip that begins at West Virginia March 3 and ends at Michigan March 18. Coach Jepson's team won both the Massachusetts Invitational and the Navy Invitational and ranked No. 4 in the nation (through meets of Feb. 4) in scoring with a season high of 224.75. A win in the Cat Classic was an early highlight for Coach Shepard's Lady Lions.

### Wrestling All-Americans

The wrestling team honored former Nittany Lion All-American at its final home match of the season, vs. Lehigh on Feb. 11. Frank Gleason, an All-America at 136 pounds in 1941, was the senior member of the elite group returning for the ceremony. Every All-America from the Lions' 1972 through 1977 squads was present as well as members of the 1954, 1955, 1956 and 1957 teams.

### Naismith award candidate

Women's basketball coach Rene Portland is a candidate for the Naismith Coach-of-the-Year award. In her 15th season at Penn State, Coach Portland has led the Lady Lions among the nation's top 15 teams and is in the race for a second consecutive Big Ten championship. The Lady Lions trailed Purdue by one-half game through contests of Feb. 23.

### Women's track

Seeing double. That must have been the feeling for spectators at the Penn State-Michigan State women's track meet on Feb. 11.

Twin sisters Nicole and Marique Gyllman, sophomores from Spryfield Field Gardens, N.Y., finished 1-2 for the Lady Lions in the long jump. In the 3,000 meters, another pair of Lady Lion twins, Kris and Kim Kelly of Avoca, Pa., were fifth and sixth respectively.

## Nominations due for three University awards

### International Student Award applications due by March 1

Applications for the Norman and Ardeith Frisbey International Student Award are due in the Office of International Students in Boucke Building at University Park by March 1. The award, established last year, honors outstanding contributions to international understanding by graduate and undergraduate international students enrolled full-time at any Penn State campus.

It is likely that two awards of approximately \$500 each will be made, one to an undergraduate and one to a graduate international student.

International students who believe they meet eligibility criteria must complete an application form and attach their supporting statements and one to three supporting statements from referents, addressing the candidates' qualifications. Faculty and advisers may encourage deserving students to apply.

Applications are available in 222 Boucke Building. For more information, contact the Office of International Programs at 865-6348 or a member of the Selection Committee: Jim Lynch, chair (865-6348), Horst von Dorpski (865-2524), Marilyn McPherson (865-3927), or George Valzias (865-0723).

### March 3 deadline for nominations for Libraries Award

Nominations are being sought for candidates for the 1995 University Libraries Award. The award is given in recognition of the achievements or performance of any person holding an academic or staff appointment in the University Libraries who meets one or more of the following criteria:

- professional contribution which has a significant influence on the operations of the Penn State Libraries;
- significant professional contribution which earns the respect of the University community for the Libraries;
- significant contribution to the profession which reflects achievement in librarianship at Penn State;
- or outstanding service to the Libraries as shown

## Promotions

### Staff

Gregory D. Andersen, senior customer service representative in Office of Physical Plant.

Valerie A. Brandt, LPN/MEDS at The Hershey Medical Center.

Shirley A. Burnes, staff assistant IV in Computer and Information Systems-Telecommunications.

Judith A. Burney, staff assistant VIII at Penn State McKeesport Campus.

Jo Ellen E. Campbell, staff assistant VI in Division of Development and University Relations.

Michael J. Coslo, video/photo graphic specialist in Applied Research Lab.

Betty H. Delafeld, staff assistant IV in Computer and Information Systems-Telecommunications.

Donnis L. Dixon, production coordinator in Computing and Information Systems-Office of Administrative Systems.

Debbie S. Dobson, staff assistant V in College of Agricultural Sciences.

Susan W. Donley, administrative assistant I in Division of Development and University Relations.

Karen L. Dorman, staff assistant V in The Eberly College of Science.

Ann M. Edinger, reimbursement analyst at The Hershey Medical Center.

Marilyn Engle, administrative assistant II in The Smell College of Business Administration.

Donna E. Fawber-Via, staff assistant VI at The Hershey Medical Center.

James E. Graves, environmental systems engineering assistant in Office of Physical Plant.

by continuing leadership and innovation.

Any member of the Penn State community may make a nomination; nomination forms are available at various locations throughout the University Libraries. All nomination forms are due on or before March 3 and should be sent to: Cindy Farles, chair, University Libraries Award Committee, E106 Pattee Library, University Park, PA 16802.

### Call for Outstanding Office Professionals

Penn State Educational Office Professionals (PSOEP) is accepting nominations for the Ninth Annual Outstanding Office Professional Award which is open to all faculty and staff throughout the University. PSOEP, now in its eleventh year, pioneered the concept of giving recognition to University staff who have provided exceptional, meritorious service on behalf of Penn State.

Criteria for selecting the recipient of the award include: initiative, enthusiasm and effectiveness; responsibility and quality of work; cooperation with co-workers; commitment to performing in a professional manner and expressing pride in that professionalism; positive attitude toward Penn State customers who visit or telephone Penn State offices; positive attitude toward other Penn State employees; professional development efforts through attendance at workshops, seminars, etc.; continuous improvement on the job; continuous development of office knowledge and skills; activities, those that have enhanced office and Penn State's goals and objectives, and outside activities that have been of service to the community.

A typed letter of support and copy of the candidate's resume must be submitted with the candidate nomination form to Linda Roan, 203 Beinn BAB, University Park, PA 16802-1917 by March 24. Also contact Linda Roan at (814)865-1809 or E-mail @ LMRI for nomination forms.

If you would like more information on becoming a member of PSOEP, please contact Jenny King at (814)863-4030 or E-mail @ JXK3.

Sandra C. Greene, senior applications programmer/analyst in Computer and Information Systems-Office of Administrative Systems.

Tracey M. Hanselman, video/photo graphic specialist in Applied Research Lab.

Brian C. Hoke, administrative assistant II at The Hershey Medical Center.

Bonita A. Houel, assistant manager, Business Systems, at The Hershey Medical Center.

Sharon R. Houser, inventory product specialist in College of Health and Human Development.

Rei-Huang Huo, research support assistant at The Hershey Medical Center.

Diane L. Hunt, staff assistant VI at Penn State Beaver Campus.

Shawney S. Intorre, staff assistant V in Office of Physical Plant.

Michael A. Kauffman, staff assistant IV in Computer and Information Systems-Telecommunications.

Robb L. Kimble, engineering aide in Applied Research Lab.

Melanie A. Kinsey, staff assistant VIII at The Hershey Medical Center.

Brian L. Kline, senior engineering aide in Applied Research Lab.

Betty J. Langham, scheduling supervisor in Computer and Information Systems-Office of Administrative Systems.

Raymond Lasinski, manager, Housing and Food Services II, in Housing and Food Services.

Dale M. Myerhoff, staff assistant VI at The Hershey Medical Center.

# University flourished from 1956-1970 under



In 1956, President Walker (right) helped break ground for The Milton S. Hershey Medical Center with George T. Herlihy, founding dean of the College of Medicine.

Eric A. Walker, who presided over one of the greatest periods of expansion in the history of Penn State, died Friday, Feb. 17, at his home in State College, after a brief illness. He was 84.

Dr. Walker was the second Penn State president emeritus to die within the month. John W. Oswald, who succeeded Dr. Walker as president in 1970, died on Feb. 1.

"Eric Walker was a great scientist and educator," President Thomas said. "He provided wide and visionary leadership to Penn State that laid the foundation for the growth of the University into one of the premier public research universities in the nation."

During Dr. Walker's presidency (1956-1970), total enrollment tripled (from 13,000 to 40,000); the faculty more than doubled in size (from 1,500 to 3,200); more than 100 new buildings were constructed, and the University's Milton S. Hershey Center was established.

In 1958, Penn State was elected to the Association of American Universities, a consortium of the 58 top research universities in North America.

Eight new two-year Commonwealth Campuses were opened, which by 1970 expanded the number of Penn State campuses to 22. This network placed campuses within 30 miles of 90 percent of Pennsylvania's population.

At the time of his retirement in 1970, Dr. Walker had served as president of Penn State for 14 years, third longest presidential tenure in the history of the University.

Near the close of his University career, he described Penn State as "a big adolescent youngster, strong, attractive and awkward, one who has grown too fast.... It is a young, strong, attractive university just about to embark on an adventurous career."



Leaving for his inauguration on Oct. 3, 1957, President Walker gets a hand from his wife, Josephine, and their children, Gail, and Brian.

Dr. Walker, a Harvard-educated scientist/engineer, stayed active in research and engineering during his presidency and concluded "it is an error for academic administrators to abandon their fields." Supplementing his role as president of Penn State, he was active in the development of national science and technology policy. A prime mover in the establishment of the National Academy of Engineering, he served as its president from 1966-1970. He also served as a leader of many other national organizations, having held the presidency of the National Science Board (1964-66); Engineering Joint Council (1962-63), and the American Society for Engineering Education (1962-63).

During his career, he received more than a dozen honorary doctoral degrees from universities throughout the United States, as well as numerous awards, including the Horatio Alger Award, given annually to a distinguished American whose career paralleled that of the legendary hero; the White House Citation from President Nixon, and the Department of Defense Public Service Award.

Born in England on April 29, 1910, Dr. Walker came to the United States by way of Canada in 1923 and settled in Wrightsville, Pa., with an aunt. With a scholarship and by working summers and during the regular school year, he was able to attend Harvard, where he obtained a B.S. in electrical engineering, M.A. in business administration, and Sc.D. in general science and engineering.

After teaching at Tufts University (1938-1940) and heading the Electrical Engineering Department at the University of Connecticut (1940-1942), he joined the Underwater Sound Laboratory at Harvard University to work on new types of torpedoes to attack German submarines, which were decimating the Allies' merchant fleet in the North Atlantic.

The result of this work was the development of the acoustic homing torpedo, for which he won the Naval Ordnance Development Award and the Presidential Certificate of Merit.

When the laboratory was divided into two separate working groups in 1945, Dr. Walker headed the group transferred to Penn State as the Ordnance Research Laboratory. He directed the lab, now the Applied Research Laboratory, and was professor and head of the Department of Electrical Engineering from 1945-51. He served as dean of the College of Engineering and Architecture from 1951 until his appointment as president of the University in 1956 to succeed Milton S. Eisenhower.

Dr. Walker, the first engineer to serve as president of the University, was the author of an autobiography, *Engineering My Way*, and authored or co-authored more than 300 publications.

As Penn State president, he often called meetings



Eric A. Walker in 1982

at 8 a.m. and 4 p.m. because he felt strongly that "academics should work at least as long as other working people."

He listed his greatest achievements as Penn State president as:

- The University's successful building program in cooperation with the state government during the administration of four governors—two Republican and two Democratic.
- Establishment of the College of Medicine and a teaching hospital at The Hershey Medical Center through a \$50 million allocation from charitable trusts established by the late Milton S. Hershey, founder of the Hershey Chocolate Corp.
- Development of a first-rank faculty.
- Expansion of Penn State's Commonwealth Campus system. At the time of Dr. Walker's retirement, 40 percent of Penn State freshmen began their University careers at one of the Commonwealth Campuses.
- Also during his presidency, the University's Continuing Education System flourished. Continuing Education course enrollment increased from 27,600 to 112,000; the J. Orvis Keller Conference Center was constructed on the University Park Campus, and WPSX-TV, the University's educational television station, was established.

Dr. Walker often commented that one of his greatest disappointments was the failure to establish a law school at Penn State.

A law school is an important part of a full-fledged university because the law is not only a major profession but also a major component of civilized society," he said. "For a state-related university, there is also the practical consideration that most legislators are lawyers."

Leading Penn State during the period of student unrest in the 1960s, Dr. Walker said he found himself in the ironic position of counseling moderation for the activists, while in the 1950s, he was counseling activism for that generation of "apathetic" students.

In recognition of his achievements, the Penn State Board of Trustees in 1977 named the new Environmental Sciences Building on the University Park Campus the Eric A. Walker Building.

After leaving the Penn State presidency, Dr. Walker began a second career as vice president for science and technology at the Aluminum Company of America.

Following his second retirement from ALCOA in 1975, he continued to be involved in engineering edu-



# command of 12th president



Eric Walker shares a laugh with Charles L. Hosier Jr., senior vice president of research emeritus, (right) in May 1994 at dedication of the Hosier Building on the University Park Campus.



Eric Walker with U.S. President Dwight D. Eisenhower in 1957 after Dr. Walker was President of the Conference on Technical and Distribution Research for Benefit of Small Business.

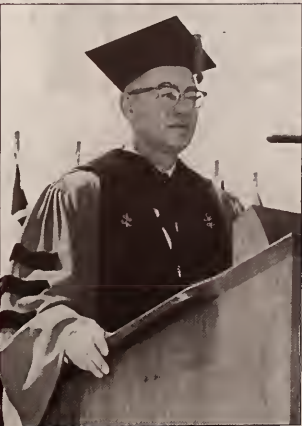


At Harvard, where he pursued his education with the help of an academic scholarship, young Eric Walker made the grade in track but later had to forego extra-curricular activities for want of time and money. Throughout college, he filled a variety of jobs — among them dish washer, short-order cook and handy man.



In October 1994, Dr. Walker showed off his golf prowess during dedication of the new Walker Clubhouse at University Park. The facility was built with funds donated by the Walkers.

(Below) Dr. Walker in high spirits in 1959.



By the time this photo was taken at a 1960 commencement, Dr. Walker had already conferred nearly 60,000 degrees.

chaired the National Science Foundation's Committees of Engineering Excellence.

Walker was a member of the American Association of Engineers and Scientists and a fellow of the Institute of Electrical and Electronics Engineers; Benjamin Franklin Fellowship of the Royal Society of the Arts, London; former chairman of the National Research Council's Committee on Engineering and the National Science Foundation's Committee on Engineering; former chairman of the Engineering Research Council, and a member of the American Academy of Arts and Sciences.

Among his many awards, he received the Lamme Award from the American Society of Engineering Education in 1965, the Alumni Award from Penn State in 1979, and the Fund Award in 1980. In 1972, the U.S. Depart-

ment of Interior, Geological Survey named one of Antarctica's glacial ridges after him.

Dr. Walker also was a major Penn State benefactor. Among his gifts to the University, he and his wife, Josephine, established a fund to improve golf and tennis facilities at Penn State. A new clubhouse serving golfers on the Blue and White golf courses at University Park was named in their honor, Oct. 8, 1994.

Surviving, besides his wife, are a daughter, Gail Walker Hearn, a son, Brian Walker, and two grandchildren.

A memorial service will be announced at a later date. Memorial contributions may be made to the Eric A. Walker Scholarship and Prize Fund, 119 Old Main, University Park, Pa. 16802.

# The ARTS

AT PENN STATE

## Afro-American spirituals

A concert of Afro-American spirituals will be presented at 4 p.m. Sunday, Feb. 26, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus. This event will feature arrangements for choir, instruments, organ and solo vocalists. Tony Leach, instructor in the School of Music, is the facilitator.

Essence of Joy, a choral ensemble in the School of Music, will present works by Glenn Burleigh, Mark Farow, Tony Leach, David Morrow and Mark Hayes. A faculty trio from the School of Music will perform William Grant Still's "Jesus is a Rock in the Weary Land." This work from "Miniatures" will be presented by Eileen Yarrison, flute; Tim Hurtz, oboe, and Carl Blake, piano. June Miller, organist, will perform works by Emma Lou Diemer and Ralph Simpson. Guest artists are Rebecca Ott McFate, soprano, and Christyan Seay, tenor.

The concert is free to the public.

## "St. Paul"

The State College Choral Society will offer the central Pennsylvania premiere of Felix Mendelssohn's *St. Paul* at 8 p.m. Tuesday, Feb. 28, in Eisenhower Auditorium on the University Park Campus.

This large-scale oratorio chronicles the conversion of Paul from a persecutor of the early church to one of its leaders.

D. Douglas Miller, professor of music, will direct the performance, presented by the 120-voice chorus and a professional orchestra. Soprano Susan Boardman, tenor Richard Kennedy, and baritone Norman Spivey, faculty members from the School of Music, are featured.

Tickets are available at the Eisenhower Auditorium Ticket Center at (814) 863-0255. Cost is \$10 (\$5 students).

## "The Quarrel"

The film, "The Quarrel," will be shown at 7:30 and 9:30 p.m. Tuesday, Feb. 28, in 101 Chambers Building, and at 2 and 7 p.m. Wednesday, March 22, in the auditorium of the Palmer Museum of Art at University Park. The March 22 showings will be followed by panel discussions.

"The Quarrel," is a feature film about two Holocaust survivors—a secular Jew and a Hassid—who meet after 15 years of separation.

Its showing is co-sponsored by Hillel, the Center for Ethics and Religious Affairs, Movie Series of the Graduate Student Association, Office of Under-

graduate Education, departments of Comparative Literature, History, and Jewish Studies, and the Palmer Museum of Art.

## Odyssey on WPSU

Vincent Foyang and host Leonard Rubinstein probe into the fascinating theory of chaos, and the logic that separates the Eastern cultures from the West, on the next episode of *Odyssey Through Literature*.

Mr. Foyang illustrates the Eastern philosophy, in which, "chaos is the default, and order is the exception." He says, "What we are saying is always provincial. Any statement is limited in time and space and culture and experience. Anything, even the claims of scientists, are provincial in a certain way. Every good science and every good declaration or theory, if it is worthwhile, will be superseded by something else, without exception. If it doesn't happen, then what you have illuminated was a fantasy."

*Odyssey Through Literature* is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Bach's Lunch

The Penn State Tuba-Euphonium Ensemble, under the direction of Martin Erickson, tuba and euphonium instructor in the School of Music, will perform for the Bach's Lunch series at 12:10 p.m. Thursday, March 2, in the Helen Eakin Eisenhower Chapel on the University Park Campus.

The Tuba-Euphonium Ensemble consists of 14 students, most of whom are music majors. The assistant conductor is Paul McPhail, a graduate student and teaching assistant.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided. The concert is free to the public.

## International Dance Ensemble

The Penn State International Dance Ensemble, directed by Elizabeth Hanley, assistant professor of exercise and sport science, has been invited to be guest performers at EPOT '95 at the WALT DISNEY WORLD Resort on March 7 and 8.

The ensemble will perform as part of the WALT DISNEY WORLD International Festival Program.

## Partings

### Philosophy professor retires with 35 years of service

Albert G. Tsugawa, associate professor of philosophy, has retired after 35 years service.

In addition to teaching courses in critical thinking, symbolic logic, and the introduction to philosophy, Dr. Tsugawa developed and for many years taught a general education diversity course on the philosophical, aesthetic, and religious ideas in the classics of Hindu and Buddhist thought. He incorporated readings in classical theatre, poetry, and modern novels, showing facets of eastern thought not captured in the major philosophical and religious writings.

He also taught courses on aesthetics and a course in semantics that not only dealt with technical philosophers but also with linguists such as Umberto Eco, Sapir, and Whorf.

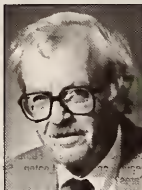
### Assistant professor in ARL ends 30-year University career

Oliver H. McDaniel, research associate and assistant professor of acoustics, Power and Mechanical Systems Department, Applied Research Laboratory, has retired after 30 years service. Dr. McDaniel began working as a research assistant at the laboratory from 1964 to 1970 then served as a faculty member in the Department of Mechanical Engineering until his return to ARL in 1985.

He received his bachelor's degree in electrical engineering from Clemson University in 1957, his master's degree in physics from Adelphi University in 1966, and his doctorate in engineering acoustics from Penn State in 1975. Prior to joining ARL, he worked for the Republic Aviation Corporation between 1957 and 1959 and the Grumman Aircraft Engineering Corporation between 1959 and 1964.

Dr. McDaniel's research at the laboratory has focused on underwater acoustic guidance systems. He has authored several publications and holds two U.S. patents. He is a member of the Acoustical Society of America, for which he served as the chairman of the ANSI S1-4 Standards Working Group, a member of Sigma Xi, and an associate of the Institute of Noise Control Engineering.

He and his wife Suzanne have two children. In retirement, he will continue his affiliation with the laboratory.



Oliver H. McDaniel

### Penn Stater with 30 years ends service to University

Janet Shuey, staff assistant in the College of Health and Human Development, has retired after 30 years service.

Ms. Shuey came to Penn State in 1964 as a secretary to the head of the former Department of Family Housing and Home Art in the former College of Home Economics. For the next 27 years she was secretary to the associate dean for undergraduate studies in the College of Human Development and, later, the College of Health and Human Development. More recently she worked for the college's associate dean for academic studies.

She processed instructional activities data, accounting and human resources forms, and student information. She also maintained curricula logs, supervised the transmittal of curricular material, and assisted with the college's commencement.

A graduate of Derry Township High School in Mifflin County, she has taken additional courses at Penn State.

She lives in Bellefonte with her husband. Her retirement plans include gardening, reading, boating, and traveling.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, February 23**  
Bad's Lunch, 12:10 p.m., Eisenhower Chapel.

The Hi-Lo's from the Penn State Glee Club.  
Center for Women Students, 4 p.m., HUB  
Assembly Room. William L. Leap on  
"Learning Gay English."

School of Music, 8 p.m., Recital Hall. John  
Daniel, trumpet.

**Friday, February 24**  
Geography's Coffee Hour, 4 p.m., 319 Walker  
Bldg. Judith Johnson on "The Geography  
of Radioactive Waste."

Center for the Performing Arts, 8 p.m., Eisen-  
hower Aud. Jesus Christ Superstar. Tick-  
ets required, call 863-0255. Also Feb. 25.

**Saturday, February 25**  
Faculty Development Workshop, 9 a.m., 114  
Kern. Blanné Bowen on "Promotion and  
Tenure." For reservations, call 863-1663 by  
Feb. 21.

Frontiers of Science, 11 a.m., 101 Osmond  
Lab. Robin Tulio on "Building Matter Out  
of Energy."

Film, 1 p.m., Palmer Lipson Aud. "The Mirror  
of Paradoxes: Rembrandt's Self-Portraits."

**Sunday, February 26**  
Gallery Talk, 2 p.m., Christoffers Lobby, Palmer  
Museum. Jennifer Olson on "Rembrandt's  
Etchings."

School of Music, 4 p.m., Recital Hall. "Spiritu-  
als Old and New," a concert of Afro-Ameri-  
can spirituals.

**Monday, February 27**  
Penn State Catholic faculty/staff, noon, 212  
Eisenhower Chapel. Father David Arse-  
neault on "The Lenten Season-Who  
Cares?"

Cooperative Literature Luncheon, 12:15 p.m.,  
101 Kern. Christine Makward on "Brown  
Skin, Enduring Mask; The Real Mayotte  
Capeau."

**Tuesday, February 28**  
Architecture, 6:30 p.m., Palmer Lipson Aud.  
Lebbus Woods, speaker.

Hillel, 7:30 p.m., 101 Chambers Bldg. Film:  
"The Quareel." Also at 8:30 p.m.

State College Choral Society, 8 p.m., Eisen-  
hower Aud. Felix Mendelssohn's St. Paul.  
Tickets required, call 863-0255.

**Wednesday, March 1**  
Ash Wednesday

Center for Women Students, 9 a.m., 120  
Boucke. Film: "Work and Family"; 11 a.m.,  
"Sexuality and Social Justice," and 1 p.m.,  
"Image and Popular Culture."

■ Center for Global Business Studies, 3 p.m.,  
201-BAB. John Wood on "Global and  
Asian-Pacific Economic Regimes: New  
Zealand Perspectives and Contributions."

Women's Studies Feminist Scholars, 4 p.m.,  
101 Kern. Janice G. Raymond on "New  
Reproductive Technology: Progress or  
Peril?"

**Thursday, March 2**  
Bad's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Penn State Tuba-Euphonium Ensem-  
ble.

**Friday, March 3**  
Geography's Coffee Hour, 4 p.m., 319 Walker  
Bldg. Christine Himes on "Adult Daughters  
Caring for Elderly Parents: The Role of  
Proximity and Mobility."

**Sunday, March 5**  
Palmer Museum of Art, 1 p.m., Palmer Lipson  
Auditorium. Film: "The Mirror of Paradox-  
es: Rembrandt's Self-Portraits."



"Still/Here"

The Bill T. Jones/Arnie Zane Dance Company performs a multi-media presentation at 8 p.m. March 18, in Eisenhower Auditorium. The show centers on living with a threatening illness and is co-commissioned by the Center for the Performing Arts. For more information, call the Ticket Office at (814) 863-0255.

"Morning Edition," Mon.-Fri., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.

"All Things Considered," Mon.-Fri., 5-7 p.m.;  
Sat.-Sun., 5-8 p.m.

"Weekend Edition," Sat. & Sun., 8-10 a.m.

"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odyssey Through Literature with S. Leonard  
Rubenstein," Weds., 7 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.

"Living On Earth," Mon., 7 p.m.

"Piano jazz with Marion McFarland," Mon., 8  
p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, February 23**  
Center for Gravitational Physics and Geome-  
try, 11:30 a.m., 339 Davey Lab. Rodolfo  
Gambini, speaker.

Applied Electromagnetics, 2:30 p.m., 413 Kern.

Mathematics, 4 p.m., 212 McAllister Bldg. Paul  
Langacker on "Solar Neutrinos."

Computer Science and Engineering, 4 p.m.,  
302 Pond Lab. Tandy Wamow on "Comput-  
ing the Local Consciousness of Trees."

Mathematics, 4 p.m., 212 McAllister Bldg. Douglas  
Arnold on "Mixed Finite Element Meth-  
ods and Locking."

Industrial and Manufacturing Engineering, 4:30  
p.m., 314 Hammond Bldg. Robert Car-  
rigan, speaker.

Adult, Continuing and Distance Education, 7  
p.m., 118 Ag Science & Industries Bldg.  
Donna Queney on "Mandatory Continuing  
Education."

**Friday, February 24**  
Entomology, 11 a.m., 504 ASI Bldg. Bev  
Mitchell on "Feeding, Host Recognition, and  
(the sense of) Taste in the Colorado Potato  
Beetle." Also, at 1:30 p.m., 413 Kern,  
Partha Sen on "Expansionary Fiscal Policy  
in a Non-Competitive Macro Model."

Agronomy, 3:35 p.m., 101 ASI. Les Layton on  
"Does Nitrogen Cycle?"

Mathematics, 4:30 p.m., 102 McAllister Bldg.  
Sergei Nepomnyashchik on "Domain

Decomposition for Elliptic Problems with  
Jump Coefficients."

## Saturday, February 25

Center for Gravitational Physics and Geome-  
try, 11 a.m., 101 Osmond Lab. Robin  
Tulio on "Building Matter Out of Energy."

## Monday, February 27

Carbon Research Center/Fuel Science, 9 a.m.,  
C213 Coal Utilization Lab. E. R. McHenry  
and John W. Newman on "Industrial Pitch:  
Sourcing, Characterization, Application and  
Future Trends."

Economics, 3:30 p.m., 413 Kern. Georges  
Dionne on "Debt, Moral Hazard and Airline  
Safety: Some Empirical Evidence."

Aerospace Engineering, 4:40 p.m., 212 Ham-  
mond Bldg. James B. Anderson on "Direct  
Monte Carlo Simulation of Chemical Reac-  
tions in Gas Flows."

**Tuesday, February 28**  
Chemical Engineering, 9 a.m., 140 Fenske Lab.  
John T.-C. Lee on "Real-Time Control of  
Multi-Step Etching Processes Using Optical  
Techniques in High Density Plasma Reactors."

Biology, 4 p.m., 8 Mueller Lab. Kenneth Forbes  
on "Evolutionary Diving in Human Bacte-  
rial Pathogens: Quicksie or Waltz?"

Geosciences, 4 p.m., 112 Walker Bldg. John  
Millman on "Mesoscale Mechanical  
Denudation."

Graduate Program in Nutrition, 4 p.m., S-209  
Henderson Bldg. South. Mindy S. Kuzer  
on "Effects of Plant Estrogens on Repro-  
ductive Hormones: Implications for Cancer  
Prevention."

The Colloquium Series, 6:30 p.m., Nittany Lion  
Inn. Prentice-Hall's senior managing editor  
of Vocational Publishing on "Book Writing  
from the Publisher's Perspective." Students  
and faculty encouraged to bring book pro-  
posals to be reviewed.

**Wednesday, March 1**  
Gerontology Center, 12:15 p.m., 101 HH&D  
East. Scott Shreve on "Dementia Evalua-  
tion and Mattis, The Mattis Dementia Rating  
Scale."

Biotechnology Institute, 4 p.m., 110 Wartik.  
Robert Scott Root-Bernstein, speaker.

## Thursday, March 2

Center for Gravitational Physics and Geome-  
try, 11:30 a.m., 339 Davey Lab. Octavio  
Obregon on "Gauge Theory of the deSitter  
Group and the Ashtekar Formulation."

Adult, Continuing and Distance Education,  
noon, 201 Keller Bldg. Alan Stuart on "A  
Faculty Member's Perspective on Distance  
Education and Its Implications for Other  
Programs at Penn State."

Physics, 3:30 p.m., 101 Osmond Lab. David  
Thouless on "Topological Quantum Num-  
bers and the Quantum Hall Effect."

Industrial and Manufacturing Engineering, 4:30  
p.m., 314 Hammond Bldg. Mikell Groover,  
speaker.

## Friday, March 3

Economics, 3:30 p.m., 413 Kern. Avinash Dixit  
on "Redistributive Politics and Economic  
Efficiency."

Agronomy, 3:35 p.m., 107 ASI. Douglas Linde  
and Kirk Jensen on "Earthworm Science:  
Gleanings from the 5th International Sym-  
posium on Earthworm Ecology."

Computer Science and Engineering, 4 p.m.,  
302 Pond Lab. Anand Sivasubramanian  
on "A Framework for Evaluating Archi-  
tectural Issues of Parallel Systems."

## CONFERENCES

**Tuesday, February 28**

Continuing and Distance Education Sys-  
temwide Conference, 200 attendees, The  
Penn State Scantron. Through March 1.

## EXHIBITS

**HUB Formal Gallery:**

"I Dream A World: Portraits of Black Women  
Who Changed America," through March 25.  
Also in Browning Gallery.

**Hosteller Business Services Building:**  
Paintings of James E. Robinson in celebration  
of Black History Month, through February.

## Palmer Museum:

"Rembrandt Etchings: Selections from The  
Carnegie Museum of Art," through March 5.

"Looking Forward, Looking Back: The Etchings  
of Leonora Lebowitz," through March 5.

"Rembrandt Radix: The Paintings of Ken  
Apletka," through March 5.

"Continuity, Innovation and Connoisseurship:  
Old Master Paintings and Drawings from  
Pennsylvania Collections," through April 30.

"Gift to Celebrate the New Museum," through  
July 16.

**Pattee Lending Services Gallery:**  
"Carla Judea Ahadeli's Photography," through  
Feb. 29.

**Pattee Main Lobby:**  
"He Had a Dream," exhibit honoring the life  
of Martin Luther King Jr. Through Feb. 28.

**Pattee West Lobby Gallery:**  
Anne Keryon's work that includes watercolors  
of flowers and Central PA landscapes,  
through Feb. 28.

**Zoller Gallery:**  
■ "States of Contrast: Contemporary South  
African Printmaking," through Feb. 26.

## TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the  
message you wish to hear. Messages are  
listed in the front of the telephone direc-  
tory. Other messages are Weather-234;  
Arts Line-345; University Calendar-456.

■ Reflects an international perspective

## Faculty/Staff Alerts

### "You Can Ask Me About AIDS"

**HIV/AIDS: Spread Facts, Not Fear.** "You Can Ask Me About AIDS" is a workshop aimed at preparing faculty and staff to become members of the University's "You Can Ask Me About AIDS" Network, will be held at the University Park Campus Wednesday, March 1, from 1-4 p.m. in 319 Rider Building. All are welcome and encouraged to attend.

The workshop will enable participants to become more comfortable sharing factual information about HIV/AIDS and identify campus and community resources for needs related to HIV/AIDS. Topics include a factual update, Penn State HIV/AIDS policies, making supportive referrals and an overview of the "You Can Ask Me About AIDS" Network.

Established by the Penn State HIV/STD Consortium, the network consists of people who voluntarily serve as points of contact for faculty, staff and students who have questions and concerns about HIV and AIDS. Upon completion of the workshop, participants may decide whether or not they wish to become a member of the network. Currently, there are more than 150 Penn Staters on the network, representing a wide range of departments, administrative areas and campuses.

To register for this workshop, complete a registration form in the HRDC course catalog or the Healthy Happenings brochure, or contact Jan Hawbaker at (814)865-3085 or JQH15@psuadmin.

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-6526. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

■ **Practical Computer Protection and Security (PRO 020)** Goal of this course is to provide participants with sufficient information for assessing and improving the security of their computing environments. Meets Friday, March 17, 1:30 - 4:45 p.m. in 319 Rider Bldg.; cost: none.

■ **Accelerated Planning Through Storyboarding (PRO 025)** Enables participants to use a systematic process for accelerating the creation of a variety of plans. It emphasizes the use of storyboarding, a technique for using index cards to achieve flexibility and the capacity to reorganize ideas throughout the planning process. Meets Mondays, March 20 - April 3, 1:15 - 4:15 p.m. in 319 Rider Bldg.; cost: none.

■ **Data-Based Decision Making (CQJ 004)** Provides information, tools and techniques for effective data collection and interpretation. Meets Monday, March 20, 9 am-4 p.m. in 118 Agricultural Science and Industries Bldg.; cost: none.

■ **Human Resources IBIS AIDS (ADC 007)** Designed to enable partici-

pants to use the Human Resource online report generator for the IBIS system. Meets Monday, March 20, 1-4 p.m. in 116 Wagner Bldg.; cost: \$40.

■ **What Was Deming's Message?—An Overview of His "Fourteen Points" (CQJ 022)** Provides an overview of the "fourteen points" of W. Edward Deming, generally recognized as father of continuous quality improvement (CQI). Meets Monday, March 20, 8:30-11:30 a.m. in 319 Rider Bldg.; cost: none.

■ **Developing Performance Standards (LDR 014)** Designed to enable supervisors to specify clear performance expectations with their staff. Participants should bring a familiar job description to the course to use for practice. Meets Friday, March 21, 8:30 - 10:30 a.m. in the auditorium, ARL Bldg.; cost: none.

■ **Understanding and Valuing Diversity (DIV 008)** Goal is to increase participants' awareness, knowledge and skills in order to work more effectively in a multicultural organization. Meets Tuesday, March 21, 9 am-4 p.m. in 319 Rider Bldg.; cost: none.

■ **Managing Your Professional Development Plan (PRO 052)** Goal is to provide staff with tools that will help them create practical development plans that work. The plans are required for staff by the University's new Staff Review and Development Plan. Meets Thursday, March 23, 9:10 a.m. in the auditorium, ARL Bldg.; cost: none.

■ **Successful Cross Cultural Communication, Part II (DIV 015)** Explores differences in communication styles, promotes commitment to cross-cultural learning, and develops new ways to relate to others in a diverse workplace. A panel of guests will serve to dispute, elaborate on, and/or support issues raised during the program. Prerequisite: Completion of Successful Cross-Cultural Communication I. Meets Friday, March 24, 1:30-5 p.m. in 319 Rider Bldg.; cost: none.

■ **Introduction to IBIS (IBM) (ADC 003)** Designed to enable new users to use IBIS (Integrated Business Information System). Meets Friday, March 24, 9 a.m.-noon in 116 Wagner Bldg.; cost: \$40.

■ **Word 5.1 Complete (Macintosh) (MAC 002)** Deals with Microsoft's word processing software which runs on Macintosh computers. Meets Monday, Wednesday and Friday, March 27, 29, and 31, 1-5 in 117 Wagner Bldg.; cost: \$150.

### The Six Physician Panel

Medical care for employees who are injured as a result of work-related circumstances is guaranteed by the "Pennsylvania Workers' Compensation Act" or "Workers' Compensation." The most recent amendment, effective Sept. 1, 1993, allows employers to identify a panel of qualified providers as one step in overall cost containment of skyrocketing medical

expenses.

Last fall, the University published a list of six physicians as sources of initial health care for University Park employees who are injured at work. The publication of the panel of health care providers initiated the implementation of a new policy governing medical care alternatives for injured employees. Effective Oct. 1, 1994, University Park employees injured at work were required to seek their initial medical care from one of the identified physicians for a period of 30 calendar days from the time treatment commenced for the treatment to be compensable.

Access to the physician panel is provided through the Occupational Medicine Clinic at Room 201, Rittenour Building. Telephonic contact (863-8492) to schedule an appointment time or identify urgent circumstances for more immediate care is encouraged in an attempt to minimize waiting time.

Dr. Timothy B. Weyandt, director of the Occupational Medicine Program, said that, while the physician panel is designed to limit unnecessary medical expenses, panel physicians are dedicated to quality patient health care and will perform the necessary medical tests indicated to assist or confirm the diagnosis. Early referral of patients to local or regional specialists, e.g., ophthalmologists, orthopedic surgeons, neurosurgeons, neurologists, or physical therapists, is performed, when necessary, to assist patient recovery to normal health as quickly as possible. Dr. Weyandt serves as the medical case manager for injured employees who are referred to the specialists.

According to Dr. Weyandt, the mission of Occupational Medicine is focused solely on the employee and worksite interface. As a result, many employees are specifically referred to their private care provider for follow-up of non-work related conditions found during work-related examinations.

The University Park physician panel members are all residency trained and board-certified in at least one medical specialty. Dr. Larry S. Dansky, Dr. Janet L. Polansky, Dr. Harold W. Bassett, and Dr. Ann L. Shallcross, are all board-certified in Emergency Medicine. Dr. Weyandt is board-certified in occupational medicine, a subspecialty of preventive medicine that focuses on potential problems an employee may experience at the workplace.

For additional information concerning Workers' Compensation and the six physician panel, please contact Risk Management at 865-6307. For information concerning safety work site evaluations, please contact the Safety Office at 865-6391. For additional information concerning the Occupational Medicine Program prevention and intervention services, please call 863-8492.

### Office move

Penn State Continuing and Distance Education Conferences and Institute staff, formerly located in Keller Building, will be temporarily relocated in the Edward Building, in Cato Park, about four miles west of the University Park Campus, on Route 26.

Student registrations should continue to be mailed to the address given in the program literature or may be dropped off in 115 Keller Building. Campus mail should be addressed to Conferences and Institutes, Edward Building, University Park PA 16802. Telephone and fax numbers are unchanged.

For further information or directions to Edward Building, please call 863-1738.

## Two lithographs add to Libraries' Sports Archives

Penn State alumnus Charles Pittman '70 of Charlotte and Fields Jackson Jr. of Cary, N.C., representing Charles Fields Inc., have donated two numbered and signed lithographs to the Penn State Libraries' Sports Archive collections of the University Archives/Penn State Room 1777.

The lithographs, a limited edition (750), were created by artist Ron Crawford of Charlotte. They are titled "Linebacker U" and "Paterno - Excellence Demands Sacrifice" and were accompanied by personalized certificates of authenticity. Recent sales of the lithographs included a donation of a substantial portion of the proceeds to the Paterno Libraries Endowment.

The lithographs join the extensive sports collections maintained by the University Archives. The Sports Archives, founded in 1990, includes films, videotapes, photographs, game programs, coaches papers, athlete records and the records of the Penn State Sports Information Department.

Mr. Pittman was a running back on Penn State's 1968 and 1969 championship football teams and was named All-American in 1969.

The University Archives/Penn State Room is open to the public Monday-Friday, 9:30 a.m.-5 p.m. and Saturday, 9 a.m.-1 p.m.

### OBITUARIES

Alfred Fish, janitorial worker, group leader, Office of Physical Plant, from Aug. 12, 1968, until his retirement Jan. 2, 1986; died Jan. 12 at the age of 70.

Harold F. Struble, group leader, guard, Applied Research Lab, from Oct. 29, 1945, until his retirement Jan. 1, 1984; died Jan. 18. He was 76.



## Social Pressures Control Teen Drinking in Spain

*Unlike U.S., Spanish youths drink to meet friends, not to get drunk*

What would happen if the legal drinking age in the United States was lowered to 16?

Rampant teen-alcohol abuse, alcohol-related illnesses and skyrocketing traffic fatality statistics are just three of the tragic consequences - which would probably result.

James Rooney, Penn State Harrisburg professor of sociology, recently took a look at teen-alcohol consumption in Spain and came back with some thought-provoking statistics.

Researching alcohol consumption in Spain through a Fulbright Fellowship during the 1993-94 academic year, Dr. Rooney found that although the legal drinking age in the country is 16, it does not transfer to rampant abuse among youth.

"While alcohol is readily and legally available to residents of the country in the mid-teens, drunkenness is a very rare occurrence, Dr. Rooney found. "Social control is the



James Rooney

key," he points out.

"Alcohol consumption in Spain is segregated," he adds. "Teens go to youth bars while adults frequent restaurants and taverns for men."

"While alcohol use is not condemned, overindulgence is," Dr. Rooney found. Linked to sociability, alcohol consumption among Spanish teen-agers is an aside to the primary rea-

son for visiting youth bars—to socialize.

"Many of those at youth bars are not even drinking," Dr. Rooney explains. "They are just meeting with their buddies and talking."

Dr. Rooney's research centered on 4,000 teen-age residents of the Andalusia, the western-most province of Spain. It is located on the Portuguese border and the South Atlantic coast.

The youth actually follow the example set by adults who frequent bars and taverns for socializing and not just to consume alcohol. The men's taverns don't "push drinks," he adds. "If you get drunk, you violate the social purpose of going to a tavern," Dr. Rooney explains.

Although a survey in Seville revealed more than half of the men drank five days a week, it also showed that they are "sippers" who rarely indulge in more than two drinks a day.

That social responsi-

bility, along with strong parental control seems to serve as a deterrent to overindulgence for Spanish teens. "Even young ladies are not receptive to drunken youths," Dr. Rooney found.

From 1940 to 1980, total alcohol consumption in Spain doubled, in part a result of the shift from rural to urban life. But in 1980 a decline began which saw use drop by 10 percent. That decline holds to today.

In comparing Spanish youths with those in the U.S., Dr. Rooney found that while per capita alcohol consumption is higher in Andalusia, drunkenness and overindulgence is far less. Social control appears to have a greater impact than any law could provide. Alcohol simply is not the prime reason for Spanish teens' frequenting youth bars. Friendship and socializing far override the booze.

— Steve Hevner

## "Peaceable classrooms" sought by researcher

*Teaching students to negotiate through conflict instead of lashing out*

Violence in our schools is on the continuing and increased concern to both educators and parents.

Penn State Harrisburg assistant professor Toni Dupont-Morales shares that concern and is spearheading a push to bring "peaceable classrooms" to the Harrisburg School District.

Dr. Dupont-Morales' link to the peaceable classroom philosophy and the Harrisburg schools began more than two years ago when she attended an Education 2000 organization meeting.

"Attention was mostly given to drug abuse," Dr. Dupont-Morales said. She later met with school officials and voiced concern that there was no outreach effort dealing with violence.

As a result, she joined

forces with Penn State Harrisburg Continuing Education to put together a program for teachers on "Violence and American Youth" which incorporated efforts to stem violence along with drugs in schools.

In the peaceable classroom philosophy, children have to be taught to reason. "They can't react, they must verbalize effectively," Dr. Dupont-Morales said.

Through this deliberate effort toward conflict resolution, students defer anger and violence in favor of negotiation. "Students control their anger and instead, articulate their feelings and discuss resolution in a peaceful manner."

In collaboration with Margaret Shaw of Continuing Education, a program to train elementary teachers in conflict resolution techniques was introduced

to the Harrisburg schools.

Dr. Dupont-Morales was then asked to work with middle school teachers and is now addressing the problem with high school students in Harrisburg.

"The peaceable classroom concept is really a problem-solving one in which the aim is to address difficult situations where they become crises, before anger builds and festers."

An important byproduct of the effort is that it builds reasoning and listening skills and moves students away from violent resolutions to problems.

"The peaceable classrooms show students they owe an effort to stem violence to their communities. If they don't support this, violence and chaos reigns," Dr. Dupont-Morales said.

The push toward peaceful resolutions to con-

flicts must replace the "instant gratification" of violence, she points out, while moving disputing parties toward negotiation.

"The program builds self-esteem and success and eventually students get away from violent situations."

To make the program a success, teachers must also possess negotiation skills and move away from the "totalitarian" discipline foundation found in some classrooms, Dr. Dupont-Morales said. There must be give-and-take, the ability to listen, reason and immediate intervention for peaceable classrooms to become the order of the day and replace the sometimes-violent schools in our cities.

— Steve Hevner

## Research



## Spring-like weather bad for buds

You may have noticed flowering bulbs sending up shoots, and buds opening on shrubs and trees during the recent warm spell. This could be bad news for some spring flowers, said J. Robert Nuss, professor of ornamental horticulture.

"These buds are likely to be killed during the freezing weather that will certainly follow in the remaining months of winter," Dr. Nuss said. Shrubs most likely to suffer from bud damage are those that flower early, including forsythia, flowering quince, jasmine, weigela, lilac, witch hazel and some kinds of viburnum and rhododendron.

"The extent of injury depends on the amount of available moisture, how much the buds have opened, and how cold it gets during the remainder of winter," Dr. Nuss said.

Is there anything gardeners can do to protect flowering shrubs from opening prematurely during a warm spell? "Not really," Dr. Nuss said. "Plants respond to a warming cycle as their cue to come out of dormancy. There's no way to stop the process."

## No new policies

The economic impact of treating cows with a hormone to increase milk production is so similar to previous dairy industry innovations that researchers say few new federal policy approaches are needed to cope with changes wrought by the new technology.

M.C. Hallberg, professor of agricultural economics, and R.E. Fallert, former senior economist with the U.S. Department of Agriculture, reviewed recent studies of the consequences of the use of recombinant bovine somatotropin (rBST). The two conclude that the use of rBST will continue to encourage small and medium-sized dairy farms to consolidate into larger units. The social costs of the disappearance and consolidation of the small family farm should not lead to the adoption of any new policies.

"At no time in the past has our government attempted to prevent a technology from being adopted on the basis of social factors," Drs. Fallert and Hallberg note. "We see little reason for doing so now."

Instead, the two say that to maintain farming communities, the government should be directing more public funds toward rural development efforts.

## BOOK SHELF

Martha Halsey, professor of Spanish, is the author of a recently-published book on Spain's foremost living playwright, titled *From Dictatorship to Democracy: The Recent Plays of Buero Vallejo*.

Dr. Halsey's study of the recurrent symbol of the prison (jail cell, cayman jaws, labyrinth...) and the use of the myth of Theseus provide new perspectives on Buero Vallejo's tragedies. She draws attention to the constant allusions to immurement, entrapment and impasse but also argues that the symbol of the prison carries within it the idea of reversibility: prison walls imply and exit and the writer's purpose is to show his audience this exit. This dialectic of freedom is central to Buero's work since his tragic vision never excludes hope and the prospect of change.

Dr. Halsey examines the opposing sets of symbols that often establish the dialectical structure of Buero's plays and reflect his dynamic view of history. The writer emerges not only as the intransigent realist he is usually considered to be, but also as a visionary.

The book is number 17 in the Ottawa Hispanic Studies Monograph Series published by Dovehouse Editions, Ottawa, Canada.

K. Warner Schaie, Evan Pugh professor of human development and psychology, and Linda M. Burton, professor of human development and sociology, are co-editors of *Adult Inter-generational Relations: Effects of Social Change*. The book's senior editor is Vern L. Bengtson of the Andrus Gerontology Center at the University of Southern California.

The book is written for researchers, students, and others in social gerontology and family studies. It examines how societal changes in major social institutions and structures have affected intergenerational relationships across the life span.

Topics include intergenerational patterns of providing care in African-American families; parent-child differences in perceptions of relationships; perceptions of family environments, and intergenerational change in rural settings, among others. Each chapter is followed by discussions from a writer whose field is directly related to the subject, and another who is in a neighboring discipline.

Two other University faculty members contributed chapters to the book. Sherry L. W. Willis, professor of human development, wrote on "Perceived Family Environments Across Generations." Dennis P. Hogan, distinguished professor of sociology, wrote "The Demography of Changing Intergenerational Relationships."

The book is the seventh in a series based on conferences sponsored by Penn State's Gerontology Center, of which Dr. Schaie is director. He also co-edited volumes one through six.



**Hanging in there**

Engineering students Debra Beck and Steve Schroeck hold out until the last moments of the IFC/Panhellenic Dance Marathon at University Park. The event, which attracted 540 dancers, raised nearly \$1.2 million for The Four Diamonds Fund. The fund helps the families of pediatric cancer patients meet financial obligations.

Photo: Greg Grieco

## Private Giving

### Long-distance runners to benefit from scholarship

The estate of Paul B. Flick has provided \$135,000 to Penn State to establish a fund that supports student athletes who are exceptional long distance runners. The Edward R. Moran Four Minute Mile Memorial Fund, initiated in 1988 by Mr. Flick, honors a Penn State All-American track athlete and 1960 Olympian. Mr. Moran graduated from Penn State in 1959 and died in 1981.

Mr. Flick was a college friend of Mr. Moran's. He received his undergraduate degree in 1948 and later earned his master's and doctoral degrees in art education from Penn State.

Mr. Flick was a retired teacher at Rowan College (formerly Glassboro State College) in New Jersey. He died in 1993.

### Portions of Intercom available online

Front page stories and other portions of *Intercom* are available electronically through: OAS, Emc2, CAC PSUVUM accounts or Penn State Gopher.

In addition, press releases written by the Department of Public Information can also be accessed.

## PENNSTATE INTERCOM

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Lisa M. Rosellini, editor  
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# INTERCOM

March 2, 1995

Volume 24, Number 23

## AT&T Foundation funds University Distance Education

A new academic culture that supports the integration of distance education technologies is the goal of a three-year Penn State Continuing and Distance Education project funded by the AT&T Foundation.

The Foundation, the philanthropic arm of AT&T, is providing \$300,000 to support the first year of the project.

"We are grateful to the AT&T Foundation for its support of this visionary effort," John A. Brighton, executive vice president and provost, said. "The project is designed to stimulate cultural change here at Penn State and at other universities to more effectively integrate distance education into the mainstream of academic life. This grant will help us realize our University-wide commitment to distance education."

The grant will support two activities

designed to have broad impact at Penn State and other participating institutions, according to Gary Miller, assistant vice president for distance education. An Innovations in Distance Education project will allow selected faculty leaders to collaborate over three years in the development of an instructional philosophy that will guide the evolution of distance education. Four faculty members from Penn State and Cheyney University will participate in the first year of the project.

In addition, the grant will support an invitational Distance Education Policy Symposium that will bring together faculty members and administrators from a number of institutions to work on common policy barriers that limit the effective use of distance education in academic programs.

"Higher education today is at a crossroads," noted James H. Ryan, vice president and dean for Continuing and Distance Education. "As society demands that we respond more effectively to a changing workplace and a changing economic environment, distance education becomes an essential tool for improving access to lifelong learning opportunities. Typically, people emphasize the technology of distance education, but miss the critical pedagogical and policy issues that are real barriers to success. This project will allow faculty members to work together on how to define a new learning environment and will allow administrators to work with their peers nationally to resolve policy issues."

"The AT&T Foundation is keenly interested in educational applications of

communications technologies, particularly the role of distance education in expanding access to learning by nontraditional students. This project, which is notable for a partnership between Penn State and historically Black institutions, has the potential to significantly advance this goal," Marilyn Reznick, vice president for Education Programs, AT&T Foundation, said.

The policy symposia will use a model developed by Penn State's American Center for the Study of Distance Education. Those invited will be key faculty members and administrators from selected Big Ten institutions and historically Black institutions involved in distance education. The participants will present papers on specific policy issues and then work as a team to craft guide-

See "AT&T" on page 3

## Two intercollegiate units seek directors

Two separate University units have openings for director. Both the Intercollegiate Materials Research Laboratory (IMRL) and the Population Research Institute, Intercollegiate Research Programs, invite nominations for the positions of director. Information about both positions follows:

### IMRL director:

The Intercollegiate Materials Research Laboratory carries out research on a wide range of topics in the materials area.

The director should have excellent leadership skills; possess a vision for research at IMRL; promote and facilitate research programs; maintain budgetary authority over general funds, and encourage extensive collaborative research at Penn State. It is expected that the director will carry out an excellent research program in addition to assuming administrative responsibilities at IMRL.

Screening of applications will begin on March 15, and applications will be accepted until the position is filled.

Nominations and applications, including a current resume, should be sent to Howard

See "Directors" on page 2



### Kennedy on campus

Robert F. Kennedy Jr. appeared on the University Park Campus Feb. 21 to speak to the crowd of more than 700 that filled Schwab Auditorium. Kennedy, a senior staff attorney with the National Resource Defense Council, talked about his efforts to protect the environment. Kennedy's appearance was sponsored by Colloquy.

Photo: Greg Grieco

Inside



### Faculty Senate

The next meeting of the University Faculty Senate, set for 1:30 p.m. March 14 in Room 112 Kern Building, includes a forensic session to discuss revisions for terminating tenure-protected faculty. For the full agenda, turn to page 2.



A new column provided by the Office of Physical Plant appears in this issue. See page 5

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## DIVERSITY BRIEF

### Opportunities for girls

Girls in the 11th grade who would like to explore scientific and technical careers are invited to apply to Women In Science and Engineering (WISE) Week, a new summer program at the University Park Campus from June 25 to July 1.

Participants will take part in hands-on laboratories, interact with female role models, and live in the campus residence halls during the program. The program costs \$200 which covers housing and materials, and some scholarships are available.

For more information or an application brochure, contact the WISE Institute at (814) 865-5342. Completed applications must be submitted by April 3.

## Directors

continued from page 1

Grotch, chair, Search Committee, Department of Physics, 104 Davey Laboratory, University Park.

### The Population Research Institute:

The Population Research Institute, Intercollegiate Research Programs, invites nominations for the position of director.

Nominees must have a standing faculty appointment at Penn State. Qualifications include a national reputation in demographic research, demonstrated leadership and administrative abilities, and a strong record of externally-funded research.

The search committee will begin reviewing nominations March 3. Nominations will be considered until a candidate is selected. Send a letter of nomination to Gordon F. De Jong, Chair, Search Committee, Population Research Institute, 601 Oswald Tower, University Park, PA 16802.

## Faculty Senate News

The University Faculty Senate meets at 1:30 p.m. March 14 in Room 112 Kern Graduate Building on the University Park Campus.

Items to be discussed include:

- Waiver of the SAT requirement for adult learners.
- Changes in standing rules, and changes in the constitution.
- Proposed changes in the Senate CES Committee standing rules
- Proposed revisions of procedures for terminating tenure-protected faculty (forensic)
- The Equity Model
- Second report of the joint committee to review promotion and tenure procedures
- Elections — Roster of Senators for 1995-96
- Student-faculty computer use survey.

Members of the University community are invited to attend. Anyone not a member of the Senate may ask to speak before the Senate on any item of business ready before the Senate. Such request must be made to the chair, through the executive secretary of the Senate, at least four days before the meeting.

## Faculty/Staff Alerts

### Where To Get Wellness

The Faculty/Staff Health Promotion Office has compiled a directory of wellness resources at the University Park Campus. "Where to Get Wellness" enables faculty and staff to locate services and facilities that can contribute to positive lifestyle choices and improved well-being. To request a free copy, send your name and campus address to Jan Hawbaker at e-mail JH3@psu.edu or phone 865-3085.

### Human Resource Development courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

- **Essentials of Management** Covers the basic principles, functions, skills, and applications of the professional approach to management. Meets Tuesday, March 28, 10:30-11:45 a.m. in 319 Rider Bldg.; cost: \$125.

## Penn Staters

David Abler, associate professor of agricultural economics, presented papers on "A Comparison of the Performance of Alternative Nonpoint Pollution Controls" at the Department of Agricultural Economics, Wageningen Agricultural University, and the Department of Economics, Tilburg University, The Netherlands.

S. Ashok, professor of engineering science and mechanics, presented "Gallium Arsenide Surface Modification with Octadecyl Thiols Self-Assembled Monolayers" at the International Conference on Electronic Materials in China. The paper was co-authored with O.S. Nakagawa and D.A. Allara. Dr. Ashok also has been invited to present a paper at the International Conference on Ion Beam Modification Materials in Canberra, Australia.

N. K. Bose, HRB-Systems Professor of electrical engineering, gave the opening plenary lecture, "Towards a Realizability Theory of Neural Networks," at the Artificial Neural Networks in Engineering Conference in St. Louis. He also gave a plenary talk, "The Theory of Learning Before and After Wiener," at the Norbert Wiener Centenary Congress at Michigan State University.

Robert Brooks, associate professor of wildlife ecology, presented a paper on "Restoring Wetlands: An American Perspective" at the Wetlands, Industry and Wildlife Conference in Leeds, England.

Elliot F. Fried, assistant professor of

■ **Should We Improve or Reengineer the Process?** Will help participants understand the difference between incremental process improvement and process innovation, which seeks a "breakthrough" by restructuring work in a significantly different manner. Meets Tuesday, March 28, 1:30-4:30 p.m. in 319 Rider Bldg.; cost: none.

■ **The Supervisor's Role in Penn State's Employee Assistance Program (EAP).** Meets 9:30-11 a.m. Wednesday, March 29, in 125 Reber Bldg.; cost: none.

■ **Understanding Your Employee Assistance Program (EAP)** Provides an overview of EAP services and a brief illustration of the counseling process. Meets 8:30-9:15 a.m. Wednesday, March 29, in 125 Reber Bldg.; cost: none.

■ **Increasing Employee Involvement: A Panel Discussion** Provides a forum for discussing how Penn State managers have provided opportunities for increased employee involvement in

their work units. Meets Thursday, March 30, 10:13-11:30 a.m. in the Alumni Fireside Lounge, Nittany Lion Inn; cost: none.

■ **Managing Your Professional Development Plan.** Goal is to provide staff with tools that will help them to create practical development plans that work. Meets Thursday, March 23, 9:11-10:30 a.m. in the Auditorium, ARL Bldg.; cost: none.

■ **The Secret of Success: Presenting a Professional Image** Covers ten key strategies for successfully managing the finer points of professionalism in the workplace. Meets Tuesday and Thursday, April 4 and 6, 1:30-4:30 p.m. in 319 Rider Bldg.; cost: \$55.

### Six Physician Panel

In an article in the Feb. 23 issue of *Intercom* on the panel of physicians identified as sources of internal health care for University Park employees who are injured at work, one member of the panel was not listed. Panel member Dr. Lewis P. Logan is board-certified in family medicine as well as emergency medicine.

engineering science and mechanics, presented a paper, "Transition Zone Analogues for Energy and Stress on Sharp Phase Interfaces," at the Conference on Models of Interphase in Trento, Italy.

Henry Gerhold, professor of forest genetics, received a Certificate of Environmental Achievement from the National Awards Council for Environmental Sustainability of Renew America, for his municipal tree restoration program.

Elizabeth Hanley, assistant professor of exercise and sport science, and director of the Penn State International Dance Ensemble, has been elected vice president of the National Folk Organization of the USA.

Sharon Luck, associate director of the Women in the Sciences and Engineering Institute, has been selected for the first class of the Council of Outstanding Young Engineering Alumni at Georgia Tech. Membership in the Council is reserved for alumni of under 40 years of age who have distinguished themselves through professional practice and/or service to the institute, profession, or society at large.

Alan Michael, extension agent in Dauphin County, was a national award winner for his work in turfgrass and horticulture communications at the annual meeting of the National Association of County Agricultural Agents.

Carl Mitcham, director of the Science,

Technology, and Society Program, has been appointed the first Hennebach Visiting Professor in humanities at the Colorado School of Mines. During his tenure there he will be giving a series of lectures on ethics and technology which will appear as the first Hennebach publication.

Robert E. Newham, Alcoa Professor of solid state science at the Intercollege Materials Research Laboratory, was elected to ADCOM, the governing board of the IEEE Division of Ultrasonics, Ferroelectrics and Frequency Control.

Patricia Powley, county extension director for Dauphin County, received the Extension Home Economist of the Year Award from the National Association of Extension Home Economists. Fay Sandsbury, assistant to the northeast regional director, and Mae Hostetter, extension agent in Armstrong County, both received Distinguished Service Awards.

Raymond W. Regan Sr., associate professor of civil engineering, received the 1994 Best Paper Award from the American Foundrymen's Society, Inc. The paper is "Collective Management of Foundry Solid Wastes: A Case History."

Stephen M. Smith, associate professor of agricultural economics, was the featured speaker at the opening of the Centre for Rural Studies, at the Queen's University of Belfast, Northern Ireland. He spoke on "The Roots of Rural Development."





## Modems

Off-campus connections to Penn State's mainframe and the Information Super Highway are becoming more and more important for students, staff and faculty. For this reason, the Microcomputer Order Center has added a range of quality modems for PCs and Macs to its offerings. Brand names starting at \$106.56 are available. Contact the MOC for a complete list and for questions on compatibility and/or ordering. Full-time Penn State students, faculty and staff are eligible to purchase modems at great academic prices.

## Potential paper feed problem

The following is taken from a letter released January 1995, by the Hewlett-Packard Co. concerning a potential paper feed problem:

If you were involved in the purchase and use of HP Deskjet or DeskWriter printers manufactured between June 1993 and March 1994, Hewlett-Packard wants to ensure that you are aware of a potential paper feed problem with these printers and how to correct it.

HP Deskjet and DeskWriter 520 and Deskjet 550C and 560C printers manufactured between June 1993 and March 1994 are developing paper feed problems due to rubber specification changes on the paper feed rollers. Once the problem was discovered, it was immediately corrected, so in most cases, printers purchased after March of 1994 are not affected. If you or your organization have Deskjet or DeskWriter printers that are having difficulty in feeding paper, simply call 1-800-656-2324 and ask for a free HP Paper Feed Cleaning Kit. The Kit will be shipped to you at no charge and will enable you to easily and conveniently fix the problem in about 20 minutes. Each Kit cleans up to 10 printers.

## Software upgrades

If you already own a particular software package and want to upgrade to the most current version, look for the title on the MOC software price lists, but not necessarily for an "upgrade." With the MOC's educational discounts, "upgrades" are sometimes more expensive than a full version of the newest software package. In these cases, the MOC will not carry the "upgrade" options. If you have any questions concerning a software package or want to know pricing, please contact the MOC.

## News In Brief

### Scholarship application

The Sylvia Stein Memorial Space Grant Scholarship, established in 1993 to honor the former director of the Pennsylvania Space Grant Consortium, will be awarded for the second time. The award of \$7,500 per academic year for 1995-1997 will be awarded to a full-time student, currently a sophomore, with an outstanding social service and academic record in science, engineering, or mathematics. The student must be a U.S. citizen likely to pursue a career in an area of interest to NASA.

Deadline for applications is March 20. Application information is available from department offices or the Pennsylvania Space Grant Consortium, 101 S. Frear, 863-7688.

### Summer study in Israel

The Jewish Studies Program announces a competition for Dorot Foundation Travel Grants for summer study in Israel. University freshmen, sophomores and juniors are eligible. Awards of up to \$1,000 will be made for qualifying academic activities on the basis of need.

Applicants should submit a description of the educational program they plan to pursue, a recommendation from a University instructor as to their ability to pursue this program; a transcript, and a statement of a full budget for their summer program. Applications should be submitted to the Jewish Studies Program, 103 Weaver Building, University Park, PA 16802.

Deadline for applications is April 28.

### Internship program

Applications are being accepted for the 1995-96 Continuing and Distance Education Internship Program. The Internship Program provides participants with an enhanced understanding of Continuing and Distance Education

and its relationship to various parts of the University, and a broader vision of potential expanded relationships between their work and other areas of Continuing and Distance Education and the University. This year, high priority will be given to applicants who focus on the Continuing and Distance Education's diversity plan goals.

Six internships, each one week in length, will be awarded for the 1995-96 academic year. All Continuing and Distance Education staff members, field staff, and faculty and staff members throughout the University who have been actively and directly involved in continuing and distance education for a minimum of two years are eligible.

Additional information and applications forms for 1995-96 internships are available from Donna Queeney, director of Research and External Relations, Continuing and Distance Education, 210 Keller Building, University Park, 863-7752. The deadline applications is April 20.

### Limits on connection to access server

Recently, as more and more people are using electronic mail and Internet services through the Access Servers available at Penn State locations, modem lines are frequently busy. The Center for Academic Computing (CAC) has ordered additional modems in response to the growing demand.

A contributing problem is that some people may connect early in the morning and leave their connection open all day, even though they may not be using the services. This practice unnecessarily ties up modem lines.

To alleviate these problems, the CACs Access Server drops connections after 60 minutes during specific time periods. This procedure began

Monday, Feb. 27. The time schedule follows:  
Monday through Thursday: noon - 12 a.m.; Friday: Noon - 6 p.m., and Sunday: 6 p.m. to 12 a.m.

CAC employees hope this solution, plus the addition of 64 modems later in this semester, will alleviate the connection problems and enable more people to use the services.

If you have questions or need assistance, contact the CAC Help Desks at 12 Willard Building, 863-1035, or 215 Computer Building, 863-2494. E-mail can be sent to helpdesk@psu.edu.

### Videoconference on global issues

The Office of International Programs is sponsoring a site for a national videoconference titled "Teaching About Global Issues: Tools and Strategies" from 1-3 p.m. Friday, March 3, in the International Lounge, 222 Boucke Building, University Park.

The conference, which will be live via satellite with a question and answer session, will acquaint viewers with highly effective resources, models and guidelines for integrating global studies into school and college curricula. The approaches described during the program are based on the actual classroom experience of teachers.

Topics to be discussed include: the concept of global education; global issues and problems; developing the global education curriculum; adapting global education strategies to meet classroom needs; applying critical teaching techniques to global education, and resources and materials for teaching about global issues. For more information, contact International Cooperative Programs, 865-0414.

## AT&T

continued from page 1

lines to remove policy barriers to distance education while protecting academic quality.

The AT&T grant will allow faculty members from different academic disciplines to work with a team of distance education specialists to create courses and, at the same time, to work together to create a common understanding of instruction at a distance.

"The goal," Dr. Miller said, "is to develop a common sense of the pedagogy of distance education that cuts across disciplines and that can guide academic policy for many years to come."

The work of the project will be supported by the American Center for the Study of Distance Education at Penn State.

The results of the three-year effort will be presented at the 18th World Conference on Distance Education, which will be held at Penn State in 1997. This



University faculty and administrators discuss the initiative to create cultural change within higher education. They are members of the steering committee helping implement the Initiative Creating the Institution Culture for Distance Education. AT&T is supporting the project with a \$300,000 grant.

Photo: Dick Ackley

event, sponsored by the International Council for Distance Education, will ensure that the results are available to

other institutions nationally and internationally.

# RECAPTURING DEPARTMENTAL COMMUNITY

*Working together to take control of our professional lives*



Robert Secor, head of the Department of English and American studies, ponders the loss of departmental collaboration and the current state of faculty morale. This essay was developed from his keynote address given to senate leaders of the Committee on Institutional Cooperation.

Last fall, my department hosted a small conference to honor the 100th anniversary of Fred Lewis Pattee's arrival at Penn State. Professor Pattee was at Penn State from 1894 to 1928, during which time he became the country's first professor of American literature and established one of the first centers in American literary studies. Pattee was also the first head of our Department of English. And by tradition, each head passes on to his or her successor two volumes of minutes from departmental meetings.

*...a group of professors agreeing that they are over-worked and underpaid, that classes are too large, and that their health is being affected by all they are expected to do. In other words, 'twas ever thus.*

during Pattee's headship.

The minutes show that Pattee was a very involved departmental head. He urged the department to make the students do the talking in the classroom; he tells department members that the way to keep Penn State's holdings in literature up-to-date

*"Today, there are whole areas of our discipline that do not even understand one another's vocabulary, to say nothing of their sense of the discipline as a whole."*

and growing is to keep after the librarian with lists of books, and he urges the teaching of current literature: "We are studying men who are obsolete, men who are not bringing us any message," Pattee said in a meeting of November 23, 1910. "Why not our own literary messengers?" (At the same meeting, one of the faculty laments the state of literary criticism, saying, "it is pretty barren and with no practical result but literary insincerity.")

At the meeting of May 24, 1911, a report of the English Section of the Central Division of the Modern Language Association of the Middle West was presented. The secretary summarized the report in a question-and-answer format.

*How many hours a day can themes be read? 2 hours [are] sufficient. More than that and college teachers find their health affected. How does the pay of the English teacher compare with that of other teachers? Hardest worked and poorest paid are English teachers. Is the work unduly burdensome? Yes, very. Are the results satisfactory? No. Quite the contrary. Why? Poor preparation of students. Over-worked teachers. Large classes. How does the labor of composition teaching compare with other teaching? Much greater.*

I don't think you have to be an English professor to relate to this scene (although perhaps it helps): a group of professors agreeing that they are over-worked and underpaid, that classes are too large, and that their health is being affected by all they are expected to do. In other words, 'twas ever thus.

But there is more to be said about that particular scene from 1910. The department is talking together, asking questions together; they are not meeting simply to complain about their lot. They discuss the state of literary criticism, what their students should be reading, and what books should be ordered for the library. Minutes for a November meeting in 1913 report that "Mr. Howell gave a review of the October issue of the *English Journal* outlining, in chief, two articles of interest," which were then "somewhat fully criticized and commented upon by the department." These entries reveal a department that reads, teaches, and discusses together, one that uses its meeting times for very different purposes than I, as one of Pattee's heirs, use ours. What a sense of community that envisions.

## Schuster's Question

The loss of that communal sense is probably, as much as anything else, responsible for the dissatisfaction that professors today feel. But it was easier for Professor Pattee. In his time, Penn State's enrollments grew from 331 to 7,000, still a far cry from the 39,000 now enrolled at University Park. He had seven faculty in his department. We now have 63 tenure-line faculty at University Park (another 80 on our other campuses), and just as many lecturers, full- and part-time.

Moreover, Professor Pattee could assume that his entire faculty had a common understanding of their discipline and would be expected to read the same books. Today, there are whole areas of our discipline that do not even understand one another's vocabulary, to say nothing of their sense of the discipline as a whole. He could also assume that his faculty were united in the common venture of figuring out how better to educate their students.

Their students. Faculty were not off competing against one another for grants to do specialized projects that separated them; rather, they worked together in a common enterprise.

There are many reasons why this vision of community in Pattee's department is beyond our understanding today. By comparing our English department at the beginning of the century and now, I have, after all, presented a microcosm of what has happened to all research institutions over the course of the current century.

The incredible increases in our size; the specialization of our disciplines and their further division into subdisciplines; the politicization of academic issues and our separate ideological commitments; the competition among us for decreasing resources; the intense professional demands that make us edgy and distrustful of one another; the growing disrespect between the young and the old; and the dilution of our regular faculty by the cost-saving measures of increasing adjunct and part-time staff—all of these factors result in a faculty that lacks the moral support of common communal interest and effort.

"Whatever happened to the faculty?" Jack Schuster asks (1991:92). "Interviews with older faculty members about the quality of academic life," he writes, "frequently touch upon—sometimes dwell upon—a plaintive theme: the loss of a sense of community and shared purpose within the academy."

I don't know how much of the demoralized spirit of our current faculty can be traced to the intense pressures of their professional lives and how much to disillusionment. New faculty soon find that the romantic vision of a coherent intellectual academic community is a fiction in today's university, whether or not it ever existed as we like to think, say, in the time of Pattee.

## New Pressures and Faculty Morale

How then are we as faculty to respond to the new pressures that seem to be placed on us from outside every day, and which threaten to demoralize us further? Professor Pattee did not live in a day when the faculty was under attack from every side. Today, the media reports that the public is not getting what it thought it was from its investment in higher education. Half of our states have at some level called for closer supervision of higher education, and the others are sure to follow. "Accountability" is the buzzword of the day. External pressures are passed from the media to the public to the state legislators to boards of regents and trustees, and on to the university's high administrators. Those administrators must be responsive if their institutions are going to compete for the funds and public support they need to operate.

It is bad enough that our faculty often feel unsupported by an internal understanding community; they now also find themselves faced with a hostile external community. They feel threatened and resentful when asked to confront words and concepts like "assessment," "post-tenure review,"

*"It's bad enough that our faculty often feel unsupported by an internal, understanding community; they now also find themselves faced with a hostile external community."*

"productivity," that they perceive are thrust at them from outside their walls with the sole purpose of monitoring their work and making their lives even more stressful.

I first confronted the concept of assessment, as the term is meant in circles of higher education today, about five years ago, when as one of the leaders of our Faculty Senate I was sent as part of a nine-member Penn State team (two faculty and seven administrators) to the Assessment Conference in San Francisco.

Now mention the word assessment to most faculty, and you are likely to see some nervous ties beginning to appear. As far as most faculty are concerned, when the administration says "assessment" to them, it can mean one of two things, both of which are bad. Either it is going to take back some money, or it is going to ask faculty to prove that they are worth the little money given them in the first place.

The conference itself appeared to

See "Community" on page 6



## CONSERVATION



## C O R N E R

## Heating heroes

How much money do you think we saved by reducing the University's energy consumption over the winter break? A) \$1,000 a day B) \$5,000 a day C) \$10,000 a day? If you picked C, you're too low. We actually saved about \$12,000 a day for 11 days or a little more than \$130,000 for the entire winter holiday. Much of the thanks for this savings goes to the individual employees who cooperated with the program.

This was the first winter that Materials Research Lab Unit A was turned back to 55 degrees.

"The labs in that facility don't have equipment which is sensitive to temperature change," Vicki Zimmerman, IMRL administrative aide, said. "We did have people come in and work during the holiday break, but we didn't feel it was necessary just for their personal comfort to have the heat left on."

Even buildings such as the main Materials Research Lab, which remained heated, had a reduction in electricity usage because employees turned off lights, computers and printers when they weren't in use.

Eric Cross, Evan Pugh Professor of electrical engineering, said some areas were exempt from the heat setback because they housed the Ultradiatometer — a device used to measure displacements smaller than the diameter of an atom, about the diameter of a uranium nucleus. The Ultradiatometer is extremely sensitive to temperature changes.

Keep in mind that this past December was unusually mild, and the amount of energy saved by reducing steam heat is highly dependent on the outside temperatures. When the outside temperatures are very low during the holiday break we can save as much as \$20,000 a day because the heating bills we avoid would have been larger. We had very few building problems this year.

How do you turn back an entire building to 55 degrees and still keep three or four areas open for medical patients? The answer is judicious use of portable space heaters.

Some of the University, such as the Moore Building Psychological Clinic, have contractual obligations to supply services during the

break. But every year, Patti Varacalli, office manager, contacts OPP to apply for portable heaters, which remain in use for two days before they are returned. The goal is to keep critical services running while the rest of the building is conserving energy.

Space heaters are only available for critical services and not suitable for personal comfort purposes. The careful use of them in Moore Building allowed the entire building to cut back temperatures while still maintaining services.

Jay Stauffer, professor of ichthyology, supported our conservation efforts by allowing the Ferguson Building Fish Lab temperatures to be reduced to 65 degrees. He pointed out that any critical tanks already had individual heaters and a small drop in room temperature would not affect the micro-climate of the research tank. Such examples of cooperation from faculty and staff enabled the University to hibernate efficiently through the winter break. We only used 4.3 million Kwh of electricity over the entire break, compared to 12.3 million Kwh the week before the break. The final result was a net savings of \$131,516 in avoided energy bills.

## PROMOTIONS

## Staff

David S. Barr, information technology associate in the Eberly College of Science.

Amy D. Benson, assistant extension agent in the College of Agricultural Sciences.

Judith A. Birli, administrative assistant IV at The Hershey Medical Center.

Steven R. Budnovich, development officer in Division of Development and University Relations.

Mary P. Nadzam, staff assistant IV in Computer and Information Systems-Telecommunications.

Paul R. Newell, assistant director of Continuing Education at Penn State Erie, The Behrend College.

Martin A. Nordberg, lead applications programmer/analyst in Computer and Information Systems-Office of Administrative Systems.

Supriya A. Owlett, poison information specialist at The Hershey Medical Center.

Wendy M. Patton, staff assistant IV in Computer and Information Systems-Telecommunications.

Randolph J. Riestter, video/photo phone specialist in Applied Research Lab.

Lisa M. Rosellini, manager, Internal Publications, in Division of Development and University Relations.

Bobbi L. Schaffer, staff assistant VI in College of Engineering.

Thomas W. Seller, facilities services manager in Continuing and Distance Education.

M. J. Shumacher, director, Graduate Fellowships and Awards, in Research and Graduate School.

Melanie A. Small, staff assistant VI at Penn State Erie, The Behrend College.

Bradley J. Smith, inventory control specialist in College of Agricultural Sciences.

Kimberly M. Smith, staff assistant VIII in College of Health and Human Development.

Scott A. Smith, assistant director, Systems Operations, in Computer and Information Systems-Office of Administrative Systems.

Paul T. Tarbay, staff assistant V in College of Agricultural Sciences.

Stephanie S. Tyworth, coordinator of Special Programs in Continuing and Distance Education.

Kathleen A. Williams, staff assistant VI in Computer and Information Systems-Telecommunications.

Susan B. Witherite, applications programmer/analyst in Computer and Information Systems-Office of Administrative Systems.

## Technical Service

James H. Brown, equipment operator in Office of Physical Plant.

Charles S. Smalley, stockroom inventory clerk in The Eberly College of Science.

Donald C. Smith, utility and relief worker in Business Services.

## Highlight on Undergraduate Education

## Students bridge gap at Lake Raystown Park

When Lake Raystown Park decided to open an educational trail through its new wetlands park, it seemed like a good idea. When park management realized they needed a bridge, they turned to the Penn State student chapter of the American Society of Civil Engineers for help.

The ASCE group soon found a solution to the park's problem. In October of 1994, the students used a local, renewable resource to complete an environment-friendly footbridge in the Raystown Lake park. Built of treated southern pine, a soft wood native to Pennsylvania, the bridge not only offers a practical alternative to the more commonly used building materials, it is a picturesque link between two sections of the educational hiking trail through the park's wetlands.

Although the bridge is wooden for primarily aesthetic reasons, the limited access to the site made the use of materials like steel or concrete nearly impossible. Not only would transportation of materials to the site have been a logistical problem, but the moist ground could not have supported a heavier, less-pliable material.

Even though most bridges are built of either concrete or steel, the treated wood is replaceable, and can last just as long.

"The life span for wooden bridges is about the same as those made from other materials," Arthur Miller, professor of civil engineering and advisor to the student project, said. "By using

wood instead of other materials, the students built a structure that fits into its natural surroundings, and rejuvenates local industry."

With the students handling every thing from design to construction, the

## Students were responsible for every aspect of the bridge, from design to construction.

project began with surveying in March of 1994. Graduate student supervised the undergraduates. The bridge design was done by P.H.D. student Bill Buttlar, who used a parabolic equation to determine its dimensions. Since the bridge has a horizontal span of 57 feet, the parabolic design was necessary to reduce the horizontal forces at the abutments.

The students then constructed the bridge using glue lamination, a process developed by Penn State researchers. The beams, each weighing about one ton, are created by using an adhesive to bond layers of wood that are 5" by 29" and 57 feet long. In all, there are 23 layers in each softwood beam. The final effect is a wooden foot bridge that arcs

gracefully over the small fissure in the land, realizing the park's goal both functionally and aesthetically.

Since the wood is so readily available, it will be less expensive and easier to maintain the bridge than if it were made of concrete or steel. And because the bridge will only have to withstand foot traffic, wear and tear will be limited.

"We agreed that the students would design and build the bridge, and the park would find a way to maintain it," said Dennis Johnson, a graduate student who initiated the project with Lake Raystown Forest Ranger Mark McCullough. The park has consequently instituted a summer maintenance program

The Lake Raystown Division of the U.S. Army Corps of Engineers assisted the students and Penn State graduate students and faculty in the bridge construction.

Last fall, Lake Raystown Park dedicated the bridge as the "Richard M. McClure Memorial Bridge," in memory of the University professor who facilitated the project and was involved in it until his death in September last year. Construction of the bridge was funded in part by the Timber Bridge Information Resource Center. Equipment was provided by Construction Materials Testing Laboratories and Construction Tool Service, Inc., both industries based in State College.

—Lori McTavish

# The Arts

AT PENN STATE

## Children's literature exhibit

An exhibit showcasing children's books and posters of children's literature containing characters of African descent is on display in Pattee Library's East Corridor Gallery at University Park through March 11. Such books are a relatively recent phenomenon, since at one time, the only way an African American could appear in one was when history absolutely demanded authenticity.

The integration of children's literature ran a parallel course to the civil rights movement of the 1950's and 60's. Folktales, hero tales, characters in informational books, and stories about real people until that point were all white. But then in 1962, Ezra Jack Keats opened the door with Peter in *The Snowy Day*, a little boy playing in the snow who also happened to be black. Black kids played in the snow, too. They could attend integrated schools and eat at any lunch counter, just as black adults could ride the bus in any available seat.

The books and posters represent but a small sample of the wealth of books for children and young adults that celebrate black history.

## Photo exhibit

Myka Craig, a BFA candidate in photography, is exhibiting her recent work in the George T. Clark Memorial Lounge in Findlay Johnston Commons in East Halls.

The exhibit, which runs through March 17, features color and black and white pieces of portraiture and figures. This exhibit is part of the Women's History Month celebration in March.

## Comedian to perform

Kathy Buckley, billed as "America's First Hearing-Impaired Comedian," will perform at 7:30 p.m. Monday, March 13, in the HUB Ballroom at University Park. Ms. Buckley is the first deaf comedian to achieve national recognition. She has appeared on the Tonight Show with Jay Leno, has been featured on Entertainment Tonight, Live with Regis and Kathy Lee, Geraldo, Comic Strip Live (FOX), and Evening at the Improv.

This event is sponsored by the EOPCA and the Office of Disability Services.

## Odyssey on WPSU

On "Tango Drama," the next episode of *Odyssey Through Literature*, Rosalyn Costantino of the Department of Spanish, Italian, and Portuguese

speaks about the playwright Sabina Berman and her portrayal of feminism in Mexican society.

Ms. Berman supports the philosophy that female oppression is the responsibility of both sexes. Dr. Costantino says. In so doing, she follows Rosalyn Costantino, the "foremother of Mexican modern feminist thought" who "indicts women who allow the structures to continue, who teach their daughters the same submissive kinds of behaviors that then perpetuate the systems that oppress them."

Dr. Costantino and host Leonard Rubinstein discuss Western and Mexican feminist philosophy and how our cultures, political structures, and languages create barriers between the two sexes.

On the March 15 episode of *Odyssey Through Literature*, "The Water Child," William LaFleur, professor of Asian Studies at the University of Pennsylvania, delves into the abortion debate in his discussion of contemporary Japanese philosophy.

Dr. LaFleur reflects on Buddhist attitudes toward abortion and reincarnation, saying, "If you're going to be born into a family that did not want you, and would resent your existence because you were a pregnancy that was not desired, it's like getting on a plane that is going to crash. You're better off as a child to be recycled, to be put on hold, and then to come back at a time when you will be wanted."

*Odyssey Through Literature* is produced as a continuing education service of the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## Pianist at Behrend

Pianist Richard Kastle will perform at Penn State Erie, The Behrend College, at 8 p.m. Tuesday, March 14. The engagement, which is open to the public, will be held in Reed Lecture Hall, Reed Union Building.

Mr. Kastle, combines selections from Mozart, Beethoven and Liszt with an alternative club style. His debut album "Streetwise" was the top-selling release of all time on the Virgin Classics label.

Known to millions of fans nationwide through his appearances on "The Tonight Show with Jay Leno," and "Entertainment Tonight," he has toured the country as opening act for both George Carlin and Jay Leno.

## Community

continued from page 4

have a mix of administrators and regular faculty, in proportions not too dissimilar to those of the Penn State team. I attended an all-afternoon pre-convention workshop in which the participants included representatives from a number of different schools, large and small, almost all of which had already instituted some assessment procedures. The session leaders organized us into groups, and asked each one to address a number of questions, including, "What seems to be the greatest obstacle to assessment?" Each concluded that the major obstacle was faculty resistance.

I was there representing Penn State's Faculty Senate, and I was beginning to feel those uncomfortable ticks. Who are we really assessing? Assessment, I assumed, meant some standardized testing of my students—whereby not only their achievement but my own assessment of their achievement (as reflected in the grades I gave them), to say nothing of my ability to teach them, would be evaluated and graded.

And why are we doing this? Not because the Faculty Senate thought it was a good idea, but because critics of the academy were sure that we did not know what we were doing and because legislators were threatening to cut off our funds unless we could show that we had some effect on our students. So our very professionalism was being called into question. We were being asked to dig our own graves, by following procedures to assess ourselves so that they could be used against us by people who had little understanding of the achievement or the purposes of the classroom.

This was all just the latest example of external pressures being imposed on us from outside and above—one more example of our loss of control over our own enterprise. And then there was all the talk about setting up our expectations of what we wanted our students to learn before we could assess whether they had learned it. My God, how could we do that, when we in English could not agree on what we should even be attempting to teach our students?

And then a light bulb went on. I had picked this all up from the wrong end. We were about to revise our curriculum in the department, but how could we even begin. Not only could we not agree on what we wanted to give our students, but we had no idea what they were getting. The most significant curriculum discussion we had in recent years was whether to reduce our four-course required historical survey to three courses. But nobody had suggested either that we discuss what we expected our students to get from these surveys, or that we find out what they were learning in them and how well they were being served by them.

I admit that I stopped thinking

about assessment from the Senate's perspective, and began thinking about it from the English Department's, since in the following year I would become head.

We began our curricular reform the next year by sending out a questionnaire to all of our majors and to all of our graduates, in order to assess what they had learned and what they thought they should have learned. Afterwards, we set up seven different teams, each with faculty, graduate students, and undergraduates, to come up with new courses for a new, more flexible structure that we had devised in response to our findings. (I think I was talking TQM without even knowing it.) We now have established regular questionnaires and exit interviews for our graduating seniors so that we can see whether we are doing what we set out to do in devising a completely overhauled curriculum.

On this issue, at least, we did achieve a community, particularly in our small curricular committees, each very similar in size to Professor Pattee's department. Moreover, the concept of assessment became our issue, not anybody else's. We need to know for our own purpose what we are doing and how well we are doing it. Pressure from the media, or legislature, or administration at this point has nothing to do with it.

## Establishing Community

It would be foolish to think that more collaborative governance will result in a state of high faculty morale; there is some truth to the statement that faculty morale is always at an all-time low. Yet there are reasons enough for the faculty to today to feel more demoralized than their predecessors, and we need to recognize the problem and address it.

I think that we at Penn State have made some progress in making our large department feel smaller: in our efforts at curricular reform, by working together on common projects, and then in smaller interest groups for intellectual and moral support. We also are being aided by a dean who is giving us the resources to turn part-time lines into tenured positions, which I think essential to the establishment of a more fully engaged professional community.

That sense of community in common interests is more than ever necessary for a faculty faced with the internal pressures and external expectations that threaten to make it increasingly atomized and insecure. As faculty, we need to work together if we are to take control again of our professional lives. In so doing, we must make sure that the issues that come our way, usually uninvited, become our issues, and the solutions, our solutions.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, March 2**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Tube-Euphonium Ensemble.

**Friday, March 3**  
Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Christine Himes on "Adult Daughters Caring for Elderly Parents: The Role of Proximity and Mobility."

**Sunday, March 5**  
Palmer Museum of Art, 1 p.m., Palmer Lipcon Auditorium. Film: "The Mirror of Paradoxes: Rembrandt's Self-Portraits."

**Monday, March 6**  
Spring Break, through March 12.

**Sunday, March 12**  
Film, 1 p.m., Palmer Lipcon Aud. "Realms of Light: The Baroque."

**Monday, March 13**  
Comparative Literature Luncheon, 12:40 p.m., 101 Kern. Jack Selzer on "Evolutionary Biology: Scientific Writing and Comparative Literature."

Center for Ethics and Religious Affairs, 7:30 p.m., 112 Kern. Michael Dyson on "Values in Popular Culture."

**EOPC, 7:30 p.m., HUB Ballroom.** Kathy Buckley, "America's First Hearing Impaired Comedian," will perform. School of Music, 8 p.m., Recital Hall. Armstrong Flute and Percussion Duo.

**Tuesday, March 14**  
Art History, 8 p.m., Palmer Lipcon Aud. Mary Pardo on "Dolce's Aretino and the Hidden Tiltan in Vasari's Lives of 1550."

**Wednesday, March 15**  
Center for Women Students, noon, 120 Boucke Bldg. Mary T. Franks on "Issues of Women with Disabilities, Part II."

**Thursday, March 16**  
Graduate Student Fair, HUB. Through March 18.

Sigma Xi Luncheon Lecture Series, noon. Tour of the Materials Research Institute Laboratory, Research Park. Undergraduate Studies, noon, 305 HUB. Brown bag lunch on Advising.

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Concert Choir.

**Friday, March 17**  
St. Patrick's Day School of Music, 8 p.m., Recital Hall. Penn State Flute Ensemble.

**Saturday, March 18**  
Minority Faculty Development, 9 a.m., 114 Kern. David McBride on "Vital Development." For reservation, call 863-1663 by March 14.

Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Building Galaxies and the Need for Dark Matter."

Gallery Talk, 11:30 a.m., Christoffers Lobby, Palmer Museum. Elram Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 2 p.m., Recital Hall. Timothy Shuter, piano.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Bill T. Jones/Arnie Zane Dance Company. Tickets required, call 863-0255.

**Sunday, March 19**  
International Fair, HUB.

## PUBLIC RADIO

**WPSU-FM 91.5**  
"Morning Edition," 6 a.m., 6-9 a.m.

"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.;



## Eisenhower performance

Joshua Redman, a tenor saxophonist, will perform at 8 p.m. March 30, in Eisenhower Auditorium on the University Park Campus. For more information, contact the Eisenhower ticket office at 863-0255.

Sat.-Sun, 5-6 p.m.  
"Weekend Edition," Sat. & Sun, 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.

"Odeyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m. and Sun., 6 p.m.

"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.

"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, March 2**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Octavio Obregon on "Gauge Theory of the deSitter Group and the Ashtekar Formulation."

Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Alan Stuart on "A Faculty Member's Perspective on Distance Education and Its Implications for Other Programs at Penn State."

Applied/Economics Workshops, 2:30 p.m., 420 Kern. Mark Wilhelm and Dave Ribar on "Access to Reproductive Health Services."

Physics, 3:30 p.m., 101 Osmond Lab. David Thoulson on "Topological Quantum Numbers and the Quantum Hall Effect."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. McKell Groover, speaker.

**Friday, March 3**  
Entomology, 11 a.m., 105 Ferguson Bldg. Michael J. Auerbach on "Cover Your Head and Guard Your Flanks: Population Dynamics During a Forest Insect Outbreak."

Economics, 3:30 p.m., 413 Kern. Avinash Dixit on "Redistributive Politics and Economic Efficiency."

Agronomy, 3:35 p.m., 107 ALS. Douglas Linde and Kirk Iversen on "Earthworm Science: Gleanings from the 5th International Symposium on Earthworm Ecology."

Computer Science and Engineering, 4 p.m., 302 Ford Lab. Anand Sivasubramanian on "A Framework for Evaluating Academic

tural Issues of Parallel Systems."

**Monday, March 13**  
Condensed Matters, 3:30 p.m., 339 Davey Lab. Jans Scheitza on "Growth and Properties of Quantum Well Structures Based on Wide-Band Semiconductors."

**Tuesday, March 14**  
Geosciences, 4 p.m., 112 Walker Bldg. Lee Kump on "Glacial Chemical Denudation."

**Wednesday, March 15**  
Gerontology, 12:15 p.m., 101 HHS. Martin Pietruck on "The Older Driver in Highway Safety Research."

**Thursday, March 16**  
Adult, Continuing and Distance Education, noon, 201 Keller. James Meyer on "Marketing Research and Your Program: What, How, and Why."

Applied/Economics Workshops, 2:30 p.m., 420 Kern. Heather Anderson on "Detecting Common Nonlinear Components Using Canonical Correlations."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Bopaya Bhandal, speaker.

**Friday, March 17**  
Agronomy, 3:35 p.m., 107 ALS. Kathy Kallenbach on "Effects of Mowing and Fertility on Weed Control in Cool Season Turfgrass."

**CONFERENCES**  
**Monday, March 13**  
Christmas Tree Short Course, 100 attendees. Days Inn Penn State.

**Wednesday, March 15**  
Forest Issues Conference, 250 attendees. Days Inn Penn State.

**EXHIBITS**  
HUB Art Gallery Cases and Panels:  
"Central PA. Scholastic Art Competition," through April 8.

HUB Formal Gallery:  
"I Dream A World: Portraits of Black Women Who Changed America," through March 25. Also in Browning Gallery.

Kern Flat and Tall Cases:  
"Architectural Sculptures," through April 11.

Kern Panels:  
"Helena Lukas Martenazzo Photography," through April 11.

Palmer Museum:  
"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 30.

"Gift to Celebrate the New Museum," through July 16.

Pattee Main Lobby:  
An exhibit highlighting the Libraries' collections in women's history. Through March.

Paul Robeson Cultural Center:  
Newly acquired works by Black American artists from California, Georgia, Ohio, Pennsylvania, Texas, New York, and Maryland, through March.

Zoller Gallery:  
"Undergraduate Juried Exhibition," through March 27.

**TIPS**  
Information Penn State  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## New center established at University

The Pennsylvania Department of Environmental Resources has established a centralized Geographic Information Support (GIS) Center at the University.

The new center is administered by the Environmental Resources Research Institute and managed by the Office for Remote Sensing of Earth Resources. The Land Analysis Laboratory in the College of Agricultural Sciences is a part of the center and a branch unit is located at the Institute of State and Regional Affairs at Penn State Harrisburg.

According to Gary W. Petersen, professor of soil and land resources and project administrator, the center will assist state agencies with the application of GIS and associated remote sensing technologies.

"Base services will provide agencies with overall coordinating and planning services for current and future GIS-related studies, and the center eventually will serve as a central repository of GIS information," he said. "A comprehensive, integrated system for storing, organizing, and retrieving digital map/image GIS data will be developed in the near future."

As part of the basic services, the center also will provide technology transfer and consulting services for Pennsylvania state agency personnel.

Also involved in administration of the center are Barry Evans, senior research assistant with the Office for Remote Sensing of Earth Resources, who is serving as project manager; Rick L. Day, director of the Land Analysis Laboratory; and Michael T. Behney, assistant director of the Institute of State and Regional Affairs.

Dr. Petersen said the first four studies to be initiated by the center are:

—"Development of a GIS-based, Nonpoint Pollution Source-Oriented Spatial Decision Support System."

—"Evaluation of NPS Problems in Pennsylvania's Coastal Zone Areas."

—"Development of Digital Floodplain Maps."

Inventory and Evaluation of Bluestone Mining Operations in Northeast Pennsylvania."

## OBITUARIES

Vernon E. Hazlett, herd manager, College of Agricultural Sciences, Nov. 16, 1959, died Jan. 29. He was 59.

Janet E. Davison, senior employment specialist, Office of Human Resources, since Nov. 1, 1985; died Feb. 9. She was 50.

# Changes in the way we work

*New process to help employees grow professionally by emphasizing development*

*The University's new Staff Review and Development Plan marks an important change in the way staff performance is managed at Penn State. The new instrument emphasizes development rather than evaluation, and includes an annual professional development plan.*

As Vice President and Dean for Continuing and Distance Education, Jin Ryan has had the opportunity to observe the impact of systematic planning for professional development in numerous organizations. In addition, he has piloted the use of development plans in his own administrative area for the last few years. In this interview, Dr. Ryan shares his views on the potential value of professional development plans at Penn State.

**Q** What do you see as the benefits of the new Staff Review and Development Plan?

**A** I believe this new process is important because it provides a vehicle to actively involve Penn State staff with the opportunity to link their professional development with the goals of their unit and the University. Communication between supervisors and employees will be enhanced through their mutual commitment to professional development. After the performance review, staff will make their own self-assessment and create a professional development plan to address needs and opportunities. This process leads to a formal commitment on the part of the individual to grow. As we have all experienced, without a plan, new knowledge or skills we want to master are often like New Year's resolutions that are never realized. I fully intend to complete the self-assessment and professional development plan myself. There are some new developments related to my work that I need to learn but haven't taken the time for. I see the staff development plan as the way to formalize my commitment. The plan is important enough to be created and completed by everyone.

I realize the new system is a departure from what we have known. Initially, the process will seem more complex and require more energy on the part of supervisors and staff to realize the benefits. This will take time, but the final results will be tremendous and it is well-worth the investment.

**Q** Could you comment more on the benefits of professional development plans for colleges or administrative units?

**A** I believe that a major benefit will be increased flexibility and productivity. Research has shown that employees who receive formal job training are far more productive than those who do not.

In the past, the performance appraisal process and the development of unit goals were often seen as separate entities. Now supervisors can explore the skills, talents, and interests of their staff and integrate these individual capabilities with new opportunities for their units. Professional development activities can be used to address unit needs and extend the strengths of the organization.

Higher education is an environment for learn-

ing, yet I have always been amazed by the limited training that universities tend to provide for staff.

Today, corporations, hospitals, and government organizations make a significant commitment to initial and ongoing education and training. We should be using our expertise and

**As supervisors we must realize that professional development encourages individual growth which may lead a person away from their current job as they reach for new interests and responsibilities. When we reach a point in an organization where the employee's needs and/or interests are no longer a good fit for the responsibilities of the job, supervisors should encourage, even help, their staff to find other opportunities—hopefully within the University.**

experience to identify the competencies that are required in a position, and to develop those competencies to the fullest. When we do both, the organization and the individual benefit. This is particularly important in rapidly changing areas where the amount of new information to be learned is virtually exploding. In these areas, lifelong learning among staff is essential for the work unit to remain up-to-date.

**Q** How are professional development plans likely to benefit Continuing and Distance Education (C&DE)?

**A** A few years ago, C&DE implemented a modest but similar review and development plan for all staff. This approach is fundamental to our vision of being a learning organization—that is, an organization that values and supports individual growth which, in turn, improves the organization.

When we asked people in our division to complete the self-assessment and competencies review, and to discuss their goals and aspirations, many new opportunities for both the individual and C&DE developed. I had key managers say, "What a powerful tool! Although it's time-consuming, I'm learning things about people that I never realized. I'm learning about their interests, and skills, and getting their ideas on new ways in which they can contribute or we can improve our functions."

As supervisors we must realize that professional development encourages individual growth which may lead a person away from their current job as they reach for new interests and responsibilities. When we reach a point in an organization where the employee's needs and/or interests are no longer a good fit for the responsibilities of the

job, supervisors should encourage, even help, their staff to find other opportunities—hopefully within the University.

In my opinion, Penn State, as a whole, benefits from providing that kind of culture for career development. I believe when we have an employee who is challenged and feeling like the institution and the supervisor are investing in their growth, we have a committed, highly-motivated and high-performing individual.

Let me provide an example from my own experience. More than 25 years ago, one of my first supervisors and mentors, challenged me to continue my education and encouraged me to aspire to greater levels of responsibility. Because I had a boss who cared about my professional development and future, my loyalty and commitment to both the organization and my supervisor increased.

I also believe that this process helps to develop future leaders. If an individual with leadership potential can be identified, nurtured by training and education, and provided with appropriate development experiences, we can assure a leadership succession that is both orderly and effective.

**Q** Could staff development be considered a continuous quality issue?

**A** Absolutely! There's no question that there is a direct relationship between staff development and continuous improvement. In fact, human resource management, including assessment and development, is a major criteria for the Malcolm Baldrige Quality Award. As individuals receive clear and effective feedback about performance and develop new skills, they are more inclined to search for better ways to accomplish a particular task or to find creative ways to address student, faculty or customer concerns.

Also, as skills grow, supervisors can empower staff to assume greater responsibility and independence. Ultimately, quality is enhanced throughout the organization.

**Q** Do you have any other comments about the review and staff development plan?

**A** Today, the importance of education and training is recognized world-wide. Also, I think we all agree that learning is lifelong. The irony is that we formalize it for undergraduates and graduates, and increasingly, for the professions—physicians, accountants, teachers, psychologists, attorneys, and others who have mandated continuing education for licensure. Faculty also must stay current with new developments in their discipline to be both effective teachers and researchers. Yet, it is ironic that universities have been less formal in structuring the development of staff. The new Staff Review and Development Plan provides a vehicle for managing our development and enhancing our performance. The result will be increased employee satisfaction, improved performance, and a more effective university.



## Awards

### Adult students receive statewide honors

Five Penn State adult learners have been honored for their achievements by the Pennsylvania Association for Adult Continuing Education. They are among 10 students statewide who received PAACE awards.

Penn State's winners from the University Park Campus are Marie Gillette of State College and Beth M. Mair of Pennsylvania Furnace. Helen L. Allison of Murrsville is from the Penn State New Kensington Campus. Irene C. Baird of Camp Hill recently completed her degree at Penn State Harrisburg, and Barbara L. Ferguson of Dover is from the Penn State York Campus.

Ms. Allison completed her associate degree in mechanical engineering technology in 1993 with a 4.0 grade-point-average, a program she began at age 52, and is now working on her bachelor's degree also at the New Kensington Campus. She has received Penn State's Outstanding Adult Student Award, the Erik and Josephine Walker Award from Penn State's Continuing Education Center, and the Penn State Spirit Award for service, leadership, academic excellence and attitude.

Ms. Baird graduated in August 1994 from the doctoral program in adult education with a 4.0 grade point average. At an age when many people would have retired from work and studies, she completed what is usually a six-

year program in four years, driven by her concern for the growth and development of economically poor women. She has been described as a non-traditional student who truly espouses the adult education philosophy of lifelong learning to its highest degree. She is currently director of Penn State Harrisburg's Women's Enrichment Center.

Ms. Ferguson will graduate this

enrolled at the York campus. She has been successful at both enterprises.

Ms. Gillette is working on a doctorate in Spanish with a focus on teaching Spanish linguistics and doing research in Spanish medieval literature. In 1989, with her twin daughters in law school and more than 20 years after completing her bachelor's degree and following a divorce, she embarked on her lifetime goal to continue her education. Shortly thereafter, she learned she had cancer, which fortunately only slowed her down for a few months, thanks in part to support from a local cancer support group.

Ms. Mair is working on her bachelor's degree in elementary education six years after high school and ending a bad relationship with her children's father. As a single mother without financial resources, she had to rely on public assistance. She decided education was the way to a better life. She enrolled in the associate degree program, graduated with honors, then enrolled in the bachelor's degree program and was admitted to the University Scholars Program. She eventually plans to pursue a doctorate. Such funding as the Paul D. and Rev. David P. Wentroble Scholarship have helped make her education possible.

### Five Penn Staters were chosen to receive the award recognizing their ability to overcome tremendous obstacles to complete their educations. They are among 10 students selected statewide.

spring with an associate degree in letters, arts and sciences. She has been a part-time student since 1991 and has recently been accepted to the bachelor of science degree program in elementary education at Penn State Harrisburg in order to pursue a teaching position. Suddenly without daycare, she left her job, opened her own daycare center and, finding that she needed more training,

### Associate professor receives appointment

Jerome D. Williams, associate professor of marketing in The Smear College of Business Administration, has been appointed a visiting senior fellow in the School of Accountancy and Business at Nanyang Technological University (NTU) in Singapore.

Dr. Williams will spend the 1995-96 academic year teaching marketing classes at NTU and conducting research on the cultural implications of business-to-business relationships in Pacific Rim countries, focusing on Singapore and Korea.

Dr. Williams has conducted research in business marketing and has gained national recognition for his work in ethnic minority marketing. An expert in the field of ethnic consumer behavior, he has been a witness in court cases

involving ethnic consumer issues and was involved in widely publicized debates on the target marketing of cigarettes, beer and other products to minorities.

Teaching in the area of business-to-business marketing, Dr. Williams also conducts research that explores trade show performance, industrial marketing and industrial buyer-seller relationships.



Jerome D. Williams

### Electronic journal earns international kudos

The *Journal of Buddhist Ethics*, Penn State's first peer-reviewed, electronic journal, and the first in the discipline of Religious Studies, has won four first place awards in a major international competition for electronic information servers.

The competition, sponsored by the Coombs Computing Unit of the Research Schools of Social Sciences & Pacific and Asian Studies at the Australian National University in Canberra, was titled "The Best of 1994 Social Science and Humanities Internet Resources," and offered awards in seven categories.

The *Journal of Buddhist Ethics*, co-edited by Charles S. Prebish, associate professor of religious studies, and Damien Keown of the University of London (Goldsmiths College), won first place awards in each of the four categories in which it was nominated: "Best Overall Networked Information System," "Best FTP Site," "Best World Wide

Web Site," and "Best Electronic Journal." The format for the journal was developed by its technical editor, Wayne Husted, lecturer in religious studies.

The competition was open to all people and all Internet sites. It was intended to gather data about the most outstanding and influential networked information systems in hopes of learning more about effective practices in building Internet resources.

The *Journal of Buddhist Ethics* was established on July 1, 1994. It currently has over 400 subscribers in 27 countries. It has been cited in *The Chronicle of Higher Education* and *The London Times Higher Education Supplement*. It is currently planning its first online global conference on "Buddhist Ethics and Human Rights."

### Number of areas honored

#### Sigma Xi cited for excellence

The Penn State Sigma Xi Chapter has been awarded a "Certificate of Excellence" for its work promoting scientific research.

Sigma Xi is part of an international scientific honor research society devoted to promoting scientific research and understanding among its members and the public. The society encompasses members whose chapters are part of research in government, industry and private business, as well as those in the university environment.

The Penn State chapter was selected for this honor on the basis of its award activities, its newsletter publication and its new Science Service Program that provides a menu of speakers to schools.

#### "America's Finest Campus Inn"

The Nittany Lion Inn on the University Park Campus was named by *Lodging Hospitality* magazine as "America's Finest Campus Inn," ranking 46th in the publication's rating of the lodging industry's 400 top performers across the nation.

#### Institute recognized

The Pennsylvania Chiefs of Police Association (PCPA) presented its President's Award to the Institute for Continuing Justice Education and Research in the Division of Continuing and Distance Education, for its professional education programs for police executives. It's the first time the association has honored a university program.

The award recognizes the institute and its faculty members' "dedication, devotion and unwavering commitment in promoting police professionalism through training of law enforcement executives." The institute provides training for chief executives around the state and across the nation.

The PCPA was co-sponsor of the original grant application for the police executive program, which was initiated with federal funding in 1971.

# BOOK SHELF

Leonard G. Austin, professor emeritus of fuels and mineral engineering, and Professor Ferando Concha of Concepcion University, Chile, are authors of *Deseno y Simulacion de Grutas de Molenda y Clasificacion*, the first Spanish language textbook on modern methods of mill design. (Concepcion, Chile; published by Lamas y Cia. Ltda.)

Production of the book was sponsored by the CYTED (Ciencia y Tecnologia para el Desarrollo) program of the Spanish government. Dr. Austin has served on more than one occasion as a visiting professor at the University of Concepcion and conducted research projects in Chile's mineral industries; Professor Concha in turn taught in Penn State's Mineral Processing Program in 1988.

Linda Patterson Miller, professor of English at the Penn State Ogonic Campus, and her husband Randall M. Miller, professor of history at St. Joseph's University, are the authors of *The Book of American Diarists* (Avon Books).

Comprised of selected entries from some two-hundred American diarists, the book speculates on the nature of diary-keeping as it defines the American character and history. The private musings of diverse Americans—from midwives and presidents, to men and women traveling the trail west, to men and women caught in the Civil War—provide intimate accounts of personal moments and first-hand descriptions of key events in American history.

The Millers arranged the material by the days of the year, with several entries from different years for each day, so that the diarists' voices maintain their individual identity as they also blend into a singularly powerful American voice that transcends time. Because of its unusual format, wherein the book progresses forward through one calendar year while also moving

back and forth in time, *The Book of American Diarists* presents an American history that is less linear than expressionistic.

This collective American diary provides a narrative of American history by the actors themselves. As the Millers describe it, "this is history and literature in a new form: a modernist montage that captures the American soul."

Gregory L. Morris, associate professor of American literature at Penn State Erie, The Behrend College, has published his third book, *Talking Up A Storm: Voices of the New West* (University of Nebraska Press), a series of thought-provoking interviews with 15 of the region's leading writers.

Unlike stories of the Old West, which conjure up images of 19th-century homesteaders opening up vast territories, rugged individuals facing insurmountable odds with uncommon strength, and a Native American culture falling prey to the insatiable greed of the White man, stories of the New West are giving birth to a profusion of innovative ideas. Characters are dealing with contemporary issues including logging, tourism, toxic waste sites and land development. Only the notion of the rugged individual seems to have survived the transition.

"To the Easterner, many of the writers seem to live in almost mythical life," Dr. Morris said. "We read their stories and we imagine them as the ranchers they write about. But most of them would like to dispel that myth. They're writers, after all," he points out. "Many of them have never been on a horse."

Dr. Morris interviewed his subjects through a series of discussions, phone calls, letters, and meetings over a period of three years. Among those covered in the book are Amy Tan (*The Joy Luck Club*), Thomas McGuane (*Keep the*

*Change*), Ivan Doig (*Dancing at the Rascal Fair*), and Gretel Ehrlich (*A Match to the Heart*). His goal was "to persuade writers to talk about their lives and their work and to define their private and artistic relationship with the West."

"One clear difference in today's writers," Morris says, "is their recognition that the West is no longer a place in which to hide."

Dr. Morris suggest that the New West is a land in which turmoil and tension are palpable. His interviews reveal that many of the writers themselves experience great personal turmoil, and he asserts that writers living in the New West are on the cutting edge of a social consciousness.

A Penn State researcher has found that new project managers often lack formal education in the myriad delicate skills needed to tackle the complex tasks that await them.

In his forthcoming book, *Leading Your Team to Success: How to be a Successful Project Manager*, Jeffrey K. Pinto, assistant professor of management at Penn State Erie, The Behrend College, offers tips and "wish-had-knows" to "accidental" project managers.

The book, co-authored by Om P. Kharbanda, a cost and management consultant in Bombay, India, outlines ways project managers can succeed and build a cohesive team.

Thomas L. Watschke, professor of turfgrass science, is co-author of *Managing Turfgrass Pests*, published by Lewis Publishers.

The book, which includes 24 pages of more than 90 full-color photographs of grasses and insects, provides turfgrass pest management methods in a single volume and employs management as the major thrust of control. Development of cultural methods for control of individual pests, chemical control methods, and detailed descriptions of individual pests in each section are followed by extensive cultural management tips.

The book provides the reader with information on how to accurately diagnose the onset of infestation; how to identify pests and gain knowledge of their cycles; when and where they attack, and the damage they leave in their wakes, and how to control them

using a plethora of detailed options. The book covers all cool and warm season grasses and is also illustrated with more than 160 detailed drawings of weeds and insects.

*Patent Searching for Librarians and Inventors* by Timothy Lee Wherry, head librarian at the Penn State Altoona Campus, answers the call for direction by covering the search process, detailing the patent tools available in virtually every library, and providing sufficient background and historical information to give insight into the U.S. Patent system.

The guide covers the importance of patents, the patent search, patent forms and fees, patents as a information source, and copyright trademarks. Three appendices include a list of patent and trademark depository libraries, a bibliography of patent publications commonly held in libraries, and online patent databases.

A collection of essays on American society by Wilbur Zelinsky, professor emeritus of geography, is the latest edition in the *American Land and Life Series*, of the University of Iowa Press.

*Exploring the Beloved Country: Geographic Forms into American Society and Culture*, a volume that gathers together Dr. Zelinsky's most exciting and original essays, has been published.

Critic Roger Welsh praises this volume, saying, "Wilbur Zelinsky successfully combines the science of geography with the humanity of geography. As a result, his work is of interest to the scientist and general reader alike."

For 50 years Dr. Zelinsky has charted the social, cultural and historical map of the American experience. He focuses on American society, the built landscape and transnationalism to spotlight such topics as the spatial patterns of religion, personal names, symbols of nationalism, season of marriage, barns and log houses, classical place names, cemetery names and more.

Fortified with more than 200 photos and maps, this wide-ranging volume places a strong emphasis on the evolving personality of America's cultural regions.

## 25-year Awards



Observing 25 years of service at the University are, from left, Patricia Black, residence hall utility worker, and Edward Sialhi, assistant professor of physics, both at the Penn State Altoona Campus; W. Daniel Richards Sr., electronics calibration and repair technician, Department of Communication Disorders, and Ronald A. Smith, professor of exercise and sport science, both in the College of Health and Human Development; John T. Tittel, safety coordinator, Safety Department, Hershey Medical Center, and Gary W. Walters, relief operator, Printing Services, Office of Business Services.





## Solving the AIDS mystery

Looking into nonnucleosides, a new class of drugs, and how they react

Research at Penn State has determined precisely how a new class of AIDS drugs, now in clinical trials, interferes with a key chemical reaction necessary for survival of HIV-1, one strain of the virus believed to cause AIDS.

The research suggests that a more powerful and less toxic treatment for AIDS could result from the fusion of these new drugs with the types currently used to treat the disease, such as AZT.

"We analyzed in greater detail than before how these new HIV inhibitors work, so we now know exactly how they block the replication of the HIV-1 virus," said Kenneth A. Johnson, Paul Berg Professor of biochemistry and principal author of a paper describing the research, published in the Feb. 17 issue of the journal *Science*.

In order to survive, HIV must transform its genetic material, RNA, into the form of human genetic material, DNA. This transformation, the replication process, is carried out by an enzyme of the virus, reverse transcriptase. The resulting HIV-derived DNA can then integrate into the DNA of a human cell, where it is able to reproduce. Reverse transcriptase is the target of many drugs used to fight HIV.

The reverse transcriptase enzyme works like a factory assembly line, building the twisted zipper shape of DNA one piece, or base, at a time in a series of coordinated steps. It inserts its genetic code into the new DNA by using a strand of its own RNA as a template to which it attaches DNA's chemical building blocks, nucleoside compounds, that it finds within the human cell.

After it grabs onto one of these building blocks, the enzyme clamps down around the growing DNA strand, maneuvering the nucleoside close to other compounds, which causes a chemical reaction that adds a new piece to the growing strand of DNA. Drugs now used to fight HIV, such as AZT and ddC, work by locking into a site of the reverse transcriptase enzyme where the nucleoside compounds normally attach.

"The problem with drugs that mimic nucleoside compounds," Dr. Johnson said, "is they are very toxic." These drugs attack not only reverse transcriptase but also kill the cell's essential mitochondria, which the body needs to convert food to energy. "Its toxicity ultimately limits its how much AZT a person can stand."

Dr. Johnson and his research team studied a new class of drugs

that are not nucleoside mimics.

"Nevirapine is currently being used in clinical trials and is the most effective of the non-nucleoside drugs discovered," he said. "It has the advantage of being very potent and very specific for HIV-1 reverse transcriptase, so it can be given in much smaller doses, and it doesn't kill mitochondria."

The University researchers used instruments they designed and built that allowed them to do studies that had not been able to measure the start of key reactions on a millisecond time scale.

Dr. Johnson's team studied three of the new nonnucleoside-type drugs and discovered that they attack HIV by binding to a site on the reverse transcriptase enzyme that is different from the nucleoside binding site.

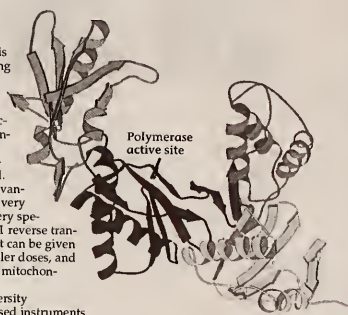
"Although the site where the new nonnucleoside drugs bind to the reverse transcriptase enzyme was previously known, their mechanism of action was not understood. We found that the binding of nonnucleoside drugs at this site interferes with the enzyme's ability to properly position the chemical reactants," Dr. Johnson said.

"Normally, reverse transcriptase would clamp down to force the reactants together into a very close space with exactly the right orientation so that a chemical reaction would occur, forming a new base. Then it would release and move on to build the next base," Johnson explained.

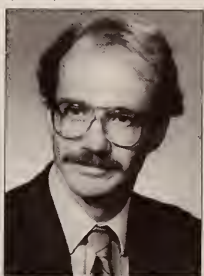
But with the nonnucleoside drug attached, the enzyme cannot align the key catalytic compounds properly. Reverse transcriptase slows down but when the chemical reaction does not take place the enzyme does not move on to the next step of releasing its grip. The drug stalls the DNA-production process by freezing the reverse transcriptase enzyme in a strangled hold, binding the nucleoside even tighter.

Because the AZT-type and Nevirapine-type drugs attach to different parts of the reverse transcriptase enzyme, researchers might be able to fuse the two together to make more powerful and less toxic compounds.

"If we could design a reverse



Folding diagrams of HIV-1 reverse transcriptase, an enzyme of the AIDS virus. Researchers have discovered that this enzyme allows a new experimental class of drugs to bind to it, interfering with the spread of the virus.



Kenneth A. Johnson

transcriptase inhibitor so that part of it would bind in the nonnucleoside site and part of it would bind in the nucleoside site, we would possibly have a drug that binds tighter than either of them would alone. We might be able to make a very specific inhibitor of reverse transcriptase to overcome some of the problems of toxicity and mutation-related drug resistance at each site."

Dr. Johnson's lab research was sponsored by the National Institutes of Health.

— Barbara K. Kennedy

## Research

## Roundup

Even  
quicker  
ways to  
heat food

Now don't try this at home, but University food scientists have found that plastic containers with metal lids work best to heat some liquids in the microwave oven.

Even though microwave oven manufacturers have warned against using metal in the ovens, Ramaswamy C. Ananthswaran, assistant professor of food science, and his former graduate student Li Zen Liu, have experimented. Their findings, which are meant to aid product development scientists design a microwaveable package for liquid food, show that plastic containers with metal lids could be the way to go for some foods.

Dr. Ananthswaran said plastic containers with metal lids may eventually be used by food processors who want to sterilize and/or pasteurize liquids using microwaves. Microwave processing is attractive to food companies because it is fast and provides the same amount of microbial kill as current techniques, but preserves more of the food nutrients.

But until that packaging becomes commercially available, Dr. Ananthswaran said people should follow the directions of microwave oven manufacturers and not use metal utensils.

Making divorce less  
traumatic for children

Legal and psychological professionals must begin to work together to minimize the psychological trauma inevitably faced by children of divorce, said Lita Linzer Schwartz.

Dr. Schwartz, professor of educational psychology at the Ogontz Campus, proposes that care arrangements for children be worked out long before the financial matters are settled.

Children of divorce rarely have an advocate whose sole task is overseeing their welfare, according to Dr. Schwartz. In fact, custody arrangements are generally concerned with being "fair" to parents.

The key to success for the children, lies in the quality of their parents' relationship, Dr. Schwartz said. If parents can set aside their conflicts in favor of a common concern for their children, "the probability of healthier adjustment to the situation is increased for the children."

## Two named Distinguished Alumni by Board of Trustees

Two former University senior vice presidents from State College — Steve A. Garban, senior vice president for finance and operations emeritus/treasurer emeritus, and Charles L. Hosler, professor emeritus and senior vice president for research and dean of the Graduate School emeritus — were selected by the Board of Trustees to receive a Distinguished Alumni Award this year. The award is Penn State's highest recognition of an individual.

The awards, announced at the Jan. 20 board meeting, were established in 1951 to honor Penn State alumni who have made outstanding contributions to their professions and their communities.

A 1959 graduate in accounting from The Smeal College of Business Administration, Mr. Garban was captain of the football team, vice president of the Undergraduate Student Government and a member of several honor societies, including Lion's Paw.

Mr. Garban served the University for 32 years in positions of increasing responsibility in the financial management of the University. He is credited with building confidence in Penn State's financial strength in the financial community, and for leadership in the development of the University's nationally-respected intercollegiate athletics program. He played a central role in the development of The Milton S. HERSHEY Medical Center, the Research Park and the Bryce Jordan Center.

As a financial adviser, he has served on the board of directors and as treasurer of the Pennsylvania College of Technology, the Pennsylvania Research Corporation and The Corporation for Penn State. He has been a member of the Business Advisory Board of Zero State Capital of Pennsylvania and the Arkwright Manufacturers Mutual Insurance Company. He also received the John E. Wilkinson Award for Administrative Excellence and the Penn State Quarterback Club Award for outstanding achievement by a former Penn State football player.

Other University activities include being past president of Lion's Paw Alumni Association, The Smeal College of



Steve A. Garban



Charles L. Hosler

Business Administration Alumni Association and the Penn State Quarterback Club.

Today, he is on the board of directors of Metropolitan Life Insurance Company, Metropolitan Series Fund and Metropolitan Variable Accounts and Farmers Community Bank. He is listed in *Who's Who of American Education* and *Who's Who in Finance and Industry*.

He and his wife, Penny, have three children: Donna, Andrew and Douglas.

Dr. Hosler, a specialist in science policy and meteorology, earned three degrees at Penn State: a bachelor's degree in 1947, a master's degree in 1948 and a doctorate in meteorology in 1951 from the College of Earth and Mineral Sciences. As an undergraduate, he also attended Bucknell University and Massachusetts Institute of Technology. He served in the U.S. Navy in World War II in the Pacific Asiatic theatre.

He has served the University for 44 years in nearly every academic capacity, including head of the Department of Meteorology, dean of the College of Earth and Mineral Sciences, senior vice president for research and dean of the Graduate

School, and acting executive vice president and provost of the University.

The University and alumni organizations have honored him throughout his career with such awards as the Golden Key National Honor Society Outstanding Faculty Award, the John E. Wilkinson Award for Administrative Excellence and the Charles L. Hosler Alumni Scholar Medal, created in his honor. The American Geophysical Union also honored him for outstanding contribution to the field of hydrology. For many years, he was active in the design of power plant cooling systems to minimize environmental impacts.

Dr. Hosler was elected to the National Academy of Engineering in 1978 and is past president and a fellow of the American Meteorological Society. He is a member of the American Association for the Advancement of Sciences, was twice appointed to the National Science Board by President Reagan and has chaired a number of National Research Council committees, including most recently, the National Weather Service Modernization Committee. He is also chair of the advisory committee of the Pennsylvania Academy of Sciences and is on the board of the Penn State Research Foundation. He represents the United States on the education and training committee of the World Meteorological Organization.

From 1956 to 1968, Dr. Hosler was active in teaching and promoting science in the historically Black colleges of the south and was presented an award in 1990 by the Association of Black Geologists. Dr. Hosler has been a leader of national policy in the atmospheric sciences for many years, and an influential voice in higher education. He has been testifying before congressional committees for 40 years. He continues to be an influential spokesman for the University in Washington, D.C., around the country and abroad.

He is married to Anna and has five children.

## Graduate fellowship in College of Engineering established

The College of Engineering has received a bequest of \$200,000 to endow a graduate fellowship, which will be named in memory of the donor, C. Norwood Wherry.

Mr. Wherry, a 1942 Penn State agricultural engineering graduate, spent most of his career practicing law. He earned a law degree in 1953 and was admitted to practice law before the Delaware County Court in 1954. A prominent attorney, he practiced before the

Pennsylvania Superior and Supreme courts, the U.S. Tax Court, the Court of Appeals for the 3rd Circuit and the U.S. Supreme Court.

He eventually became a Delaware County (Pennsylvania) judge. He also served as solicitor of the Delaware County Housing Authority and as a special hearing officer for the U.S. Department of Justice.

Mr. Wherry enlisted in the Navy as an apprentice seaman in 1942 during World War II and was dis-

charged as a commissioned officer with the rank of lieutenant in 1946. During the war, he served as an engineering executive and commanding officer aboard minesweeping, patrol, escort and anti-submarine vessels in both the Atlantic and Pacific theatres of operations. He died Jan. 27. He was preceded in death by his wife Mary Shellenberger Wherry.

### Intercom information

The *Intercom* will not be published March 9 during spring break. Publication will resume March 16. The deadline for submission of information for that issue is Wednesday, March 8, at noon.

In addition, because of budget considerations, the *Intercom* will not be published March 30 as previously scheduled. Information to appear in *Intercom* during March may be submitted for the March 23 edition. The deadline for that issue is noon Wednesday, March 15.

Because of renovations to the offices where *Intercom* is produced, anyone submitting information for publication via E-mail, is asked to send only to KLN1@PSU.EDU.

### PENNSTATE INTERCOM

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## Colleges earn high marks in national ranking

The College of Engineering was ranked 15th nationally by U.S. News & World Report in the magazine's sixth annual guide to America's best graduate schools. In the same survey, the College of Education was ranked 25th, and The Smell College of Business Administration was ranked 37th, jumping eight places in the rankings in a single year.

Some individual departments or programs were also ranked: industrial manufacturing (4th), geology (12th), sociology (21st), and chemistry (23rd).

Most of the rankings, along with profiles and accompanying articles, appear in the March 20 issue of the magazine, already available on newsstands. A more detailed book version will be on newsstands March 27.

The categories that U.S. News & World Report uses to develop its rankings include selectivity in

admitting students and reputation, based on surveys of university and college deans across the country. Other categories, depending on the college, include placement success, faculty resources and research activity.

Here are other details of the rankings:

■ **College of Engineering.** In the survey's "engineering specialties" category, the college's Department of Industrial and Manufacturing Engineering was ranked 4th—one up from its No. 5 ranking last year. The college was also ranked 11th by practicing engineers, 5th in research activity, and 8th among public/state universities.

David N. Wormley, dean of the college, said he was "delighted that Penn State is consistently

### Top 25 Graduate Schools of Engineering

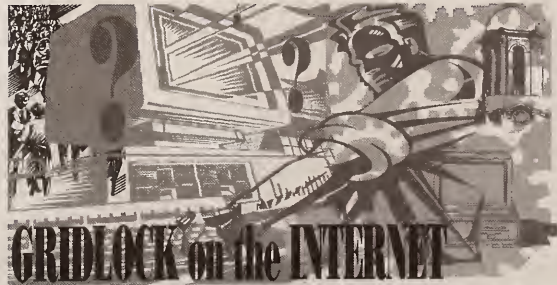
- |                               |                           |
|-------------------------------|---------------------------|
| 1. MIT                        | 13. Northwestern          |
| 2. Univ. of Calif. - Berkeley | 14. Minnesota-Twin Cities |
| 3. Illinois-Urbana-Champaign  | 15. PENN STATE - UI Park  |
| 4. Stanford                   | 16. Univ. of Calif.-LA    |
| 5. Calif. Institute of Tech.  | 17. Texas A&M Main        |
| 6. Cornell                    | 18. Ohio State            |
| 7. Carnegie Mellon            | 19. Princeton             |
| 8. Michigan-Ann Arbor         | 20. USC                   |
| 9. Univ. of Texas-Austin      | 21. Pennsylvania State    |
| 10. Purdue                    | 22. Harvard               |
| 11. Georgia Inst. of Tech.    | 23. Columbia              |
| 12. Wisconsin-Madison         | 24. Univ. of Washington   |
|                               | 25. Maryland-College Park |

Source: U.S. News and World Report - March

See "Rankings" on page 3

"We have more access account holders than any other university in the nation."

## Ten-fold jump in computer accounts seen as nearly 46,000 travel into cyberspace



It seemed like an excellent idea to give every student, faculty and staff member at Penn State an Internet access account, but no one at the Center for Academic Computing (CAC) could have predicted just how wildly popular the accounts would become. Before they knew it they were riding one of the nation's biggest electronic tigers. Getting off was out of the question.

From December 1993 to March 3, the number of accounts jumped 10-fold, going from 4,700 to almost 46,000. With the evidence of the overwhelming public response, it was obvious that they'd hit on the right approach. However, the new problem was how to respond to nearly 50,000 eager Inter-naughts while absorbing 2,000 new users a month.

For some time, CAC had made an access account available to all. But not until the fall semester had the center aggressively promoted the service, including telling every new and returning student that all they had to do was register and they could zoom out into cyberspace.

That's when the bits hit the fan.

Following a slow but steady increase during 1994, the number of account holders nearly quadrupled in the four months between July 15, 1994, and Nov. 23, going from 11,581 to 41,332. Faculty and staff signed up in record numbers, too, but the students drove the bulk of the increase, going from 7,912 account holders in July to 37,408 in November. The totals peaked in Feb-

See "Cyberspace" on page 5

## Schreyers donate \$1 million to University

William A. Schreyer, chairman of the Board of Trustees, and his wife, Joan, of Princeton, N.J., have made a \$1 million gift to renovate a 67-year-old house that will become the new on-campus residence for the University president and his or her family.

The Schreyer gift will be used to renovate and build an addition to a four-bedroom stone house with Tudor-style trim located northeast of the campus "core," near the intersection of Park Avenue and Shortlidge Road. The house, built in 1928, sits on the former "Mitchell Property" which the University purchased in 1988.

Mr. Schreyer, a 1948 Penn State graduate who has served on the Board of Trustees since 1986, is the retired CEO and chairman of Merrill Lynch & Co., Inc., the global financial services company.

Mr. Schreyer said the gift was made in response to an analysis conducted by the chairs of the Board's committees on physical plant and finance, in conjunction with the University administration.

The committee chairs' recommendations will be brought to the Board at its meeting at The Hershey Medical Center on March 17-18. The Board will act on resolutions to use the renovated and expanded home as the new president's residence and to approve preliminary sketch plans for the renovation and addition.

The Board also will consider a resolution to sell the current presidential residence at 639 Kennard Rd., three miles south of campus on Route 322. The property has been the residence of presidents for the past 25 years.

The proceeds will be used to provide an endowment to support the University's recently established Institute for Innovation in Learning. The Institute is part of the University's ongoing program to improve undergraduate education. It will support faculty efforts to enhance active and interactive learning components in their courses.

See "Schreyers" on page 4

## DIVERSITY

### Commission for Women March 20 marks 10th Annual Spring Banquet

The Commission for Women will hold its 10th Annual Spring Banquet at 6:30 p.m. Monday, March 20, in the Ballroom of the Nittany Lion Inn. Traditionally held during Women's History Month, the banquet will celebrate the dual themes of "Mentoring in Academia" and "Gender Equity in Athletics." The public is invited to attend.

"Mentoring" will be highlighted with the announcement of the first Rosemary Schraer Mentoring Award. Dr. Schraer, a founding member of the Commission for Women, was well known for helping others recognize and achieve their potential. Her long and distinguished career at Penn State began in 1959 when she joined the faculty, and continued through her tenure as associate provost of the University from 1981-1985. Upon leaving Penn State, she was named executive vice chancellor and then chancellor of the University of California, Riverside. She died in 1992.

The award will be given annually to the person who best reflects Dr. Schraer's service as a mentor and

friend to younger scholars. This year's winner is Diana L. Cox-Foster, assistant professor of entomology in the College of Agricultural Sciences (see story below).

Historian and self-proclaimed "reformed academic" Jane Curry will offer after-dinner entertainment as she reviews the progress of women in intercollegiate athletics in her one-woman show "Nice Girls Don't Sweat."

Before the banquet, the commission will offer a workshop for commission members, volunteers, and Campus/Cooperative Extension Liaison members titled "Playing Hardball: The Psychology of Communication for Women." The workshops, from 3-4 p.m. in the Colonial Room of the Nittany Lion Inn, will be presented by Sara Fine, a clinical psychologist and professor of library and information science at the University of Pittsburgh. Following the workshop, from 3:30-4:30 p.m., the commission will hold its monthly meeting, which is open to the University community.



Jane Curry

A 5:30 p.m. reception in the Atrium of the Inn precedes the banquet. Tickets for the event are \$18 (\$10 for students) and can be obtained by calling the commission office at (814) 865-1683.

### Helping others reach their potential

#### Assistant professor earns first Rosemary Schraer Award

Nominatee by her department leader as the epitome of the spirit of the Rosemary Schraer Award, Diana Cox-Foster is not just a mentor to others, but a person genuinely interested in their well being.

An assistant professor of entomology in the College of Agricultural Sciences, Dr. Cox-Foster is the 1995 winner of the Rosemary Schraer Award, named in honor of the former University associate provost who died in 1992. Dr. Schraer's distinguished career at Penn State, which spanned more than a quarter of a century, was highlighted by her role as mentor and adviser to younger colleagues. The award will be given annually by the Commission for Women.

"Dr. Cox-Foster has had an active role as a mentor through her research, teaching, and outside interactions with students, staff, and other faculty at Penn State," wrote James L. Frazier, professor and head of the Department of Entomology, in his nomination letter to the commission. "In each of these interactions, her emphasis has been on helping each person to develop to their full potential, to facilitate their ability to interact professionally with others, and to gain personal satisfaction from their careers and training."

One colleague summed it up by writing that "Diana Cox-Foster has added to the richness of the Penn State environment and contributed immeasurably to the lives of those with whom she has interacted."

In the nearly eight years she has been at Penn State, Dr. Cox-Foster has "passed the torch" of research and scholarship on to post-graduate, graduate and undergraduate students. Since 1987, she has had 17 undergraduates par-



Diana Cox-Foster

ticipate in her laboratory's research. She has also mentored high school students through the Pennsylvania Governor's School for the Agricultural Sciences, and now serves as a co-adviser for the Penn State Chapter of the Association of Women in Science.

Her mentoring activities have led many students into fulfilling careers, and for some have resulted in employment opportunities that would not otherwise have been available. Dr. Frazier estimates that over the next decade, the results of Dr. Cox-Foster's investment in young scientists will be seen in the form of scientific breakthroughs and discoveries.

"As the only woman faculty member of the entomology department, her interactions with other departmental members served as a model of how I govern my actions," wrote a former doctoral candidate who is now an assistant professor of biology at another Pennsylvania institution.

"Women entering a new area can, like water, make an impact in two very different ways," the assistant professor wrote. "Rushing and sweeping things out of their path, or working gradually, opening the path for others to follow. Diana worked quietly, spoke up when needed, and expected other departmental members to treat her with professional respect."

Before coming to Penn State as an assistant professor, Dr. Cox-Foster was a post-doctoral research associate at Vanderbilt University. From 1976 until 1985, she served in various capacities at the University of Illinois, Urbana-Champaign, including as research assistant, teaching assistant and lab assistant in entomology. In 1979 she was named a University Fellow at the University of Illinois, Urbana-Champaign, and was recognized there in 1981 for excellence in teaching.

She is a member of the American Association for the Advancement of Science, American Society of Zoologists, and the Entomological Society of America for which she served as program committee member and organizer for various conferences and national meetings.

### Multicultural Summit scheduled for April 27-28

Renowned author and award-winning scholar Elizabeth Higginbotham will present the keynote address for the College of Education's 1995 Multicultural Summit "From the Talk to the Walk," April 27-28 at The Nittany Lion Inn.

Dr. Higginbotham is acting director for the Center for Research on Women at Memphis State University, a position she has held since 1994. A graduate of Brandeis University, where she earned M.A. and Ph.D. degrees in sociology, she joined the faculty of Memphis State University as an assistant professor in 1985. She was named a research professor in 1983 and was appointed associate director of the Center for Research on Women in 1992.

In 1993, she was honored by the American Sociological Association with the Jessie Bernard Award for her work and was also recipient of the ASA Distinguished Contributions to Teaching Award (1993).

Dr. Higginbotham will speak at 9 a.m. Thursday, April 27, in The Nittany Lion Inn Ballroom. Her address will be followed by individual and panel presentations by invited Penn State faculty members, who will discuss exemplary practices in multicultural education, faculty development topics, curriculum issues, student perspectives and diversity issues.

In addition, Vernon Wall, coordinator of staffing and development at the University of Georgia, will present a lecture on "ACPA (American College Personnel Association) Showcase: Beyond Tolerance" at 3:45 p.m. April 27. Mr. Wall, a doctoral candidate in the student affairs program at the University of Georgia, is co-editor of the book *Beyond Tolerance: Gays, Lesbians and Biscuits on Campus*.

The summit is sponsored by the Office of the Executive Vice President and Provost, with funding from the Equal Opportunity Planning Committee. The college's Task Force on Multicultural Education, organized the summit.

The Task Force on Multicultural Education is one of five task forces Rodney J. Reed, dean of the College of Education, created three years ago to address education issues. Since its inception, the task force has developed several programs for college faculty members and graduate students. The task force also has conducted a survey of faculty training needs.

For more information about registration and fees for the summit, contact Christine Faust, conference planner, by phone at (814) 865-1738 or by fax at (814) 865-3749.



## Diversity Briefs

### Answering the call for diversity

The School of Communications will offer two summer workshops at the University Park Campus to increase diversity in the journalism and film/video fields. Through the hands-on experience of these workshops, the school will be able to tap in to the talent of teenagers and encourage them to consider journalism, film and television as a potential career.

The Multicultural Journalism Workshop will be held July 9-21. The Multicultural Film and Video Workshop will be held July 8-21.

Both summer workshops have been privately funded by various media organizations and the University's Equal Opportunity Planning Committee for the purpose of attracting underrepresented students to Penn State. Interested organizations, newspapers and foundations are invited to support these work-

shops and can contact Joseph Selden at (814) 863-6081.

The application deadline for both workshops is April 14. Workshop posters and applications can be obtained by contacting Kathy Stocker at (814) 863-6081, or writing to Mr. Selden, director of Multicultural Affairs, School of Communications, The Pennsylvania State University, 205 Carnegie Building, University Park, PA 16802-5101.

### Wrapping up Women's History Month

The Penn State Wilkes-Barre Campus has planned several programs to observe National Women's History Month during March.

■ Wednesday and Thursday, March 22 and 23: Writer and speaker Kathryn Watterson will visit the

campus. On Wednesday afternoon and Thursday morning, she will present creative writing workshops for students. At a lecture/reading for the public at 7:30 p.m. Wednesday, March 22, she will read from and discuss the writing of her newly-published work, *Not by the Sword*.

■ Monday, March 27, noon: "Women Writers Come to Life," a program of dramatic readings by students in Lynda Goldstein's English 194 class, will highlight the works of prominent women authors. Open to the public.

■ Wednesday, March 29, 7:30 p.m.: The eleventh annual Hayfield Poetry Festival will feature poetry readings by Liz Rosenberg.

## Eberly College to host March 18 open house

The Eberly College of Science will hold its annual open house for prospective students and their parents from 10 a.m. to 4 p.m. Saturday, March 18, in the White Building at University Park.

Approximately 3,500 high school seniors offered admission to the Eberly College of Science at University Park and the Commonwealth Campuses for 1995 summer and fall semesters have been invited. They will tour University Park, visit laboratories, and speak with advisers, professors and current science students.

Representatives from each of the college's departments and programs, financial aid officers, and staff members from Housing and Food Services, and other Penn State offices also will be on hand to answer questions.

In addition, Norman Freed, associate dean, will be available to answer questions about the Commonwealth Campuses, undergraduate academic programs and scholarships, research opportunities, and the Eberly College of Science Cooperative Education Program.



A scene from the 1994 open house.

## Rankings

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ranked among the best graduate engineering programs in the country. The *U.S. News & World Report* rankings, particularly the top-five ranking of our industrial engineering department and the high value that practicing engineers place on our graduate engineering education program, recognize the lead that the college has taken nationally in meeting the needs of today's society and of engineering employers."

Key factors of the success of the engineering program, Dean Wormley said, "include the quality and dedication of our faculty and their efforts to mentor and educate our outstanding graduate students. The support of industry in our educational and research programs has also been instrumental in their development."

■ **College of Education.** The College of Education was ranked for the first time this year by the magazine, and it was ranked 15th in reputation by other academics.

Rodney J. Reed, dean of the college, said he was "extremely pleased to see that the College of Education has again been ranked among the top colleges of education in the country. This study, as well as a recent study by researchers at the University of Illinois, reflects the growing reputation and national status of our faculty and programs."

■ **The Smear College of Business Administration.** The MBA program, part of The Smear College, is now ranked in the upper 13 percent of the nation's 281 accredited MBA programs. Among recruiters, Smear was 24th in the nation, ahead of three top-25 schools and six Big Ten schools. Among academics, Smear was rated 31st, up two places from 1994.

"We are particularly pleased by our showing among corporate recruiters, underscoring the strong evidence that our graduates have a reputation for quality in the job market," Dean J.D. Hammond, holder of the William Elliott Chair of Insurance, said.

Eighty-nine percent of Smear's 1994 class of MBA graduates gained employment within three months after graduating, and members of the same class earned a median base salary of \$46,000, the magazine reported. "The most current data look even better than that reported by *U.S. News*," noted Dean Hammond. "Ninety-eight percent of the Class of '94 now hold full-time positions, up nine points from the information published in the magazine."

The *U.S. News & World Report* business school ratings follow by less than a month news from *Business Week* that The Smear MBA program was among its "up and comers."

■ **Sociology.** The sociology program, part of the College of the Liberal Arts, was ranked 21st — up from 24th in 1994. The ranking was based on the magazine's survey of heads of graduate studies and department chairs across the country.

"I am pleased that sociology has been ranked highly, although I am not surprised," Susan Welch, dean of the College of the Liberal Arts, said. "It's a department that has made a great deal of progress over the last few years — progress in terms of the quality of faculty hired and improvements made in graduate education. Last year the Department of Sociology was one of only two sociology departments in the country to receive a National Science Foundation graduate training grant, and it's a department that attracts a lot of external support, which in turn allows the department to recruit very high-quality graduate students."

Other rankings will appear in the more detailed book version of the survey report. Among these are Penn State's geology program, ranked 12th, and its chemistry program, ranked 23rd. Both of these rankings remain the same as last year's. These rankings were included among those based on surveys of the heads of graduate studies and department chairs at various science disciplines.

In addition to publishing the special issue and guidebook, *U.S. News & World Report* will post rankings and accompanying pieces on *U.S. News Online* on CompuServe.

— Alan Janesch

## Promotions

### Staff

Marion L. Campbell, staff assistant V in Office of The President.  
Florence L. Confer, project associate in College of Agricultural Sciences.  
David J. Fusco, senior applications programmer/analyst in Corporate Controller's Office.  
Alice F. Garby, financial and accounting assistant at The Hershey Medical Center.

Katheryn L. Gilliland, senior technician, Research, at The Hershey Medical Center.  
Doris Guabowsky, associate director for auxiliary services in the Office of Student Affairs.  
Roy F. Harpster, supervisor, Mail and Processing, in College of Agricultural Sciences.  
Gloria J. Henry, staff assistant VI in Research and Graduate School.  
June Heywood, administrative assistant III in Research and Graduate School.

Dawn L. Holsopple, staff assistant VII in College of Agricultural Sciences.  
Nancy J. Hommel, administrative assistant II in Business Services.  
David J. Hosterman, herd manager, College of Agricultural Sciences.  
Deborah J. Hoy, staff assistant VI in Division of Development and University Relations.  
Judith G. Igen, staff assistant V in Office of Student Affairs.

## Schreyers

continued from page 1

President Thomas and his wife, Marly, will continue to reside at Kennard Road until his retirement. President Thomas's successor will move into the new on-campus residence after its renovation.

"The University is grateful for this most recent expression of generosity from the Schreyers," President Thomas said. "The gift enables Penn State to provide substantial support for the Institute of Innovation in Learning while allowing the University to create — at private expense — what in effect will be a new home for the presidential family in an ideal location."

The fund created by the sale of the Kennard Road property will be named the William A. and Joan Schreyer Endowment for the Institute of Innovation in Learning.

Mr. Schreyer said he long believed that the current president's residence was no longer adequate to support the needs of and demands upon a presidential family in the 21st century.

"An analysis conducted by both the chairs of the Board's committees on finance and physical plant and the administration found that there are many compelling reasons for moving the president's residence," Mr. Schreyer said. "Joan and I are delighted to be able to provide the means to make this possible, while helping to move Penn State's undergraduate education program to the cutting edge."

Gary C. Schultz, senior vice president for finance and business at the University, said the move will save the University money while providing a better facility.

"A primary factor is to gain the economic benefits from consolidating properties," Mr. Schultz said. "At present, Penn State owns what amounts to two president's houses, but only one is occupied. It makes better sense to sell the Kennard Road property and consolidate the president's residence on campus."

The operating cost of the renovated house is estimated to be lower than that at Kennard Road, he said. A second reason for the move is to provide a better area for presidential living quarters.

"Kennard Road has very limited parking and also poses access problems for persons with disabilities," Mr. Schultz said. "The private family space at Kennard Road is also very limited. For example, the property has only two bedrooms whereas the stone house on the northeast side of campus has four."

When finished, the home will provide a total of approximately 8,800 square feet. Mr. Schultz said the average space for a president's home at Big Ten universities is about 9,700 square feet. The largest are at Illinois (17,000+ square feet) and Minnesota (15,000+ square feet), while the smallest is at Michigan (6,000 square feet).

Mr. Schreyer said he was hopeful that the move to the new home will help strengthen the bonds of the academic community.

"Our gift is motivated because this is such a sound decision from all perspectives," Mr. Schreyer said. "It makes good sense to make the president more accessible to students, faculty, staff, alumni, parents, friends and the entire Penn State family. And we will have a home that provides

better private family space, more parking and access for persons with disabilities, while spending less money on annual operating costs."

H. Walton Mitchell, who was a judge of Allegheny County Orphan's Court and a Pittsburgh attorney, purchased the original 126-acre parcel in 1907 and a few years later began leasing it to Penn State for agricultural purposes. Judge Mitchell was a Penn State alumnus and in 1914 was elected president of Penn State's Board of Trustees, a position he held until 1929.

A native of Williamsport, Pa., Mr. Schreyer graduated from Penn State with a degree in commerce and finance in 1949. He immediately joined Merrill Lynch & Co. and rose through a succession of sales, trading, investment banking and management positions to become president in 1982, chief executive officer in 1984 and chairman in 1985. During his tenure as CEO, Merrill Lynch ascended to its position as the world's largest and most profitable securities underwriter and saw total client



William and Joan Schreyer on the steps of Pattee Library in 1992 after announcing their challenge to the University community. The Schreyers pledged \$1 million to the Campaign for the Library if faculty and staff committed \$2 million between July 1, 1992 and June 30, 1993. Faculty and staff surpassed that challenge and the Schreyers donated the funds.



Former Mitchell Property

The Schreyer gift will be used to renovate and build an addition to this four-bedroom stone house near the intersection of Park Avenue and Shortledge Road. The house, built in 1928, sits on the former "Mitchell Property" which the University purchased in 1986.

Photos: Greg Grieco

assets grow to \$500 billion, more than any other financial institution.

Mr. Schreyer has been honored as a Distinguished Alumnus (1979) and an Alumni Fellow (1983). He served as national chairman of The Campaign for Penn State (1984-90), which raised \$352 million for University programs. He is immediate past chairman and a member of the National Development Council, the University's top voluntary fund-raising body. In addition, he is a member of the Board of Visitors for The Mary Jean and Frank P. Smeal College of Business Administration.

He and Joan established the William A. Schreyer Chair in Global Management Policies and Planning in The Smeal College. They also established the William A. Schreyer Libraries Endowment in Global Management Policies and Planning and contributed to the Chair in Jewish Studies at Penn State.

A lifelong supporter of education, Mr. Schreyer is a member of the George Bush Presidential Library Foundation and is National Chairman of Sigma Phi Epsilon Educational Foundation. He initiated Merrill Lynch's unique Scholarship Builder program, a trust that will cover higher education costs for 250 economically disadvantaged grade school children in 10 U.S. cities.

Mr. Schreyer was named to the Board in 1986 by then Gov. Dick Thornburgh. In 1990, he was elected by delegates of industrial societies to the Board and was elected vice chairman in 1991. He was elected chairman in 1993.

His wife, Joan, was made an Honorary Alumna of the University in 1991.



# Center changes name to reflect research work of faculty

The expanding mission of Penn State's National Center for Advanced Gear Manufacturing Technologies, has resulted in a name change for the center. Operated by the Applied Research Laboratory, the center has been renamed to the National Center for Advanced Drivetrain Technologies (NCADT).

Suren Rao, director of the center, explained the change is necessary to reflect the broader research being done by faculty.

"While our initial focus was on gear manufacturing, our faculty have been getting involved in broader research issues, such as condition-based maintenance and technologies that are related to other transmission components, such as bearings," he said.

The center has also selected a new name in response to the needs of industry and government, all groups interested in the study and analysis of

the entire drivetrain system. The drivetrain generally excludes the power plant and includes all the components from the output of the power plant to the load-carrying component of the vehicle. In a helicopter, for example, this would constitute everything from the output of the turbine right up to the rotor head.

The role and mission of the center has been approved by the Office of Naval Research, which sponsors the

center. Potential applications of the Drivetrain Center's efforts include all Department of Defense weapon system platforms, such as aircraft, rotorcraft, and surface and undersea vehicles for the Navy, and amphibious assault and land combat vehicles for the Marine Corps. Nondefense uses include automotive, locomotive and off-highway vehicle applications.

## Cyberspace

continued from page 1

ruary at 47,893, just about the time system slow-downs and busy signals at the dial-in modems started generating some complaints from users. However, CAC purged inactive accounts in February and made other improvements, and the frenzy died down somewhat by the beginning of March. Accounts dipped to about 45,600. But at 2,000 new accounts each month, the total should be nearly 50,000 sometime in May.

"The growth has been phenomenal," Russ Vaught, CAC director, said. "We're dedicated to providing Internet access to all students, faculty and staff as part of our strategic plan, but none of us expected the numbers to explode like they did at the beginning of the semester. Now, we have more access account holders than any other university in the nation. Michigan, for instance, 'only' has 33,000.

**"If every Penn State faculty member, staff person and student, plus all of the students, faculty and administrators in C&DE statewide eventually wants to get online, we will have to handle more than 96,000 accounts."**

Russ Vaught  
director  
Center for Academic Computing

Even so, we must plan for a doubling of access accounts in the future. If every Penn State faculty member, staff person and student, plus all of the students, faculty and administrators in Continuing and Distance Education statewide eventually wants to get online, we will have to handle more than 96,000 accounts."

One of the first places the increased activity showed up was in electronic mail on the new-style POP ("Post Office Protocol") mail servers. There are two ways to count the traffic. One is to tally the number of single-recipient messages; the other is to

count the total number of messages sent, including courtesy copies. Either way, the only direction seems to be up.

In November 1994, approximately 24,000 single-recipient E-mail messages were sent through the POP mail servers. By the beginning of February, the total tripled to more than 74,000 daily. And this doesn't include messages sent via PSUVUM or the PSUAD-MIN mainframe computers, which are together handling approximately 400,000 messages a day. On the POP mail server alone, approximately 2 million messages were handled in February.

"If we count the total number of E-mail messages we switch—meaning the server makes a copy of the message for each listed recipient and then sends it to each one—we handle more than 500,000 mail messages on all servers daily," Mr. Vaught said. "That is more than double the number of just a few short months ago, and it will probably be up to about 700,000 a day by the end of the semester. This is a bigger load than anyone but the largest commercial providers, such as CompuServe, handle."

Users now can get access to the Internet at each of Penn State's 22 campuses throughout the Commonwealth, and most residence halls at the University Park Campus give students direct Ethernet-speed access.

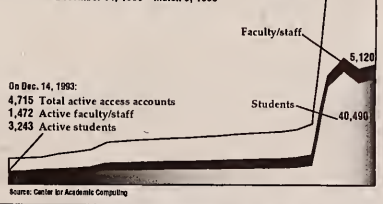
Large numbers of those with computers, a modem and an access account also dial in to one of 128 modems at University Park or one of 170 more at the other campuses. This has not been enough to meet demand.

"In the early fall of 1994," Mr. Vaught said, "the 863-7777 dial-in line at University Park was rarely saturated and people didn't have much of a problem making a connection. Now, it's saturated from before noon until midnight, seven days a week."

"Part of this was due to people who were logging on for hours—or, as in the case of one gentleman who kept his connection active for three days, preventing others from getting in. We have imposed time limits now to cut down on this kind of abuse, but we've also ordered 64 high-speed modems to let more people connect.

## Computer Access Account Growth at Penn State

December 14, 1993—March 3, 1995



We will continue to make improvements to the system to assure as much access as possible."

It was only in 1980-81 that Penn State was one of the co-founders of the early network Binet (with CUNY, Yale and Princeton). Emc2, a popular, if somewhat awkward, E-mail and bulletin board software package, arrived around 1985 and many users are still happily using it. By 1989, the other mainframe access system in use at Penn State, PSUVUM, had 25,000 users.

Jeff Almone, assistant director of Advanced Information Technologies, said the newest systems are popular because they respond to users' needs better than the older ones do.

"The advent of access accounts and the POP mail system gives us the ability to make E-mail and Internet client software available to more people more easily. We can now offer people a common platform that any POP client can work on," he said. "We push one software or client, Exdora (available at the Microcomputer Order Center), for E-mail if you have a Mac or a Windows machine. But our platform will accept other POP mail client software, too."

What lies ahead for academic computing users?

"We will continue to try to scale our system to the demand our users have," Mr. Almone said. "This means we'll add new equipment as resources allow, and we will continue

to make internal changes to improve service.

"I also see an increased possibility for users working at home. It's happening in California, especially after the earthquakes," he said. "In a limited way, however, we'll start to see more of that here over the next few years."

"What's also coming," Mr. Almone said, "is the ability for University users to collaborate on projects online, and to have fewer meetings in 'real' space. One promising technology is called OpenDoc, which will allow users to manipulate the same document on any platform—IBM, Mac, or Unix."

"Under the access account system," Mr. Almone said, "people have a stronger sense of control. If everything is working the way it's supposed to, the users never see us at work; we're in the background."

This "invisible hand" approach, though, leads to what Mr. Almone calls the "thankless work syndrome." Internet users at the University don't realize that if they had to buy the level of services they now get for nothing, they'd shell out nearly \$120 per month to America Online, CompuServe, or the other commercial providers.

"People need to have a sense of what this is worth," he said.

—Doug Stanfield

# L E C T U R E S

## Northwestern director to demonstrate technology-based teaching methods

Roger C. Schank, director of the Institute for the Learning Sciences at Northwestern University, will be the keynote speaker for this spring's Teaching and Learning Symposium, sponsored by the Center for Academic Computing, Education Technology Services. The symposium, to be held from 9 a.m. to 4 p.m. Saturday, April 8, in the Classroom Building at University Park, is a day-long event focusing on the instructional applications of technology.

Dr. Schank, the author of more than a dozen books, will discuss "Learning and Multimedia Software Development." The talk will offer innovative technology-based teaching methods which stress student-centered learning. Using technology, faculty can create scenarios through which students direct their own investigations of content. He will demonstrate software developed at the Institute for the Learning Sciences.

Dr. Schank holds a Ph.D. in linguistics from the University of Texas. At Northwestern, he established the institute which he now heads to foster interdisciplinary research on human learning as a basis for artificial intelligence.

The annual Teaching and Learning with Technology Symposium is a practical forum for sharing ideas and techniques in instructional technology within higher education curricula. In addition to Dr. Schank's address, the symposium will feature 15 concurrent sessions. During these sessions, Penn State faculty will demonstrate how they've integrated current and emerging technology tools into teaching and learning.

Preregistration is requested. You may also register at the Classroom Building on the day of the symposium. To preregister, send E-mail to [ap@psuvm.psu.edu](mailto:ap@psuvm.psu.edu) or call Jean Cowher at (814) 863-4386. Be sure to include your name, title, university address and phone number. If you have a FSUVM account, you can register online by using the command *seminars*. Please use the seminar number (07160).

Attendance for Penn State faculty is free. A \$75 fee is required for attendees from outside the University. For more information, contact Michelle Fritz at (814) 863-7769 or send e-mail to [mfp3@psu.edu](mailto:mfp3@psu.edu).



Roger C. Schank

## Mueller Lecture in physics tonight

Tien T. Tsong, of the Academia Sinica of Taipei, Taiwan, will present the 14th Annual E. W. Mueller Memorial Lecture in Physics tonight on the University Park Campus. The lecture is sponsored by the Department of Physics and the Eberly College of Science and is free to the public.

The schedule includes a lecture intended for a general audience, "Seeing and Playing with Atoms," to be delivered at 8 p.m., in 117 Osmond Laboratory and a physics colloquium on "High Field Effects Useful for Manipulating Atoms on Surfaces," at 11 a.m. Friday, March 17, in 5S Osmond Laboratory.

Professors Mueller and Tsong were instrumental in developing the microscopy techniques that allowed, for the first time, the direct observation of atoms.

Originally from Taiwan, Dr. Tsong studied with Dr. Mueller at Penn State, where he received his Ph.D. in 1966. He continued to work at the University, achieving the rank of Distinguished Professor of physics in which he now holds an emeritus status. In September 1990, he returned to Taiwan to become a Distinguished Research Fellow and the director of the Institute of Physics, Academia Sinica, of the Republic of China.

His research focuses on the probe, at atomic resolution, of solid surfaces using the field ion microscope and the atom probe. He has made major contributions in developing the instrumentation of these experimental devices and in applying atom-in microscopy to the study of surface phenomena.

Professor Tsong is a fellow of The American Physical Society and a member of The National Academy of Sciences of the Republic of China. Other honors include a Fulbright Fellowship, Alexander von Humboldt and Max Planck Society fellowships, and a fellowship from the Japan Society for Promotion of Science. He is the recipient of the 1987 Faculty Scholar Award for physical science and engineering.

The E. W. Mueller Memorial Lecture is named in honor of Erwin W. Mueller, a member of the Penn State Department of Physics from 1952 until his death in 1977.



Tien T. Tsong

## Oxidation-reduction proteins subject of March 20 lecture

P. Leslie Dutton, Eklridge Reeves Johnson Professor and chairman of the Department of Biochemistry and Biophysics at the University of Pennsylvania, will present the 1995 Ernest C. Pollard Lecture at 4 p.m. Monday, March 20, in 102 Classroom Building on the University Park Campus.

The lecture, titled "Design and Engineering of Oxidation-Reduction Proteins," is sponsored by the Department of Biochemistry and Molecular Biology. The public is invited to attend.

Dr. Dutton's research in biological oxidation and reduction spans more than 30 years. His work has yielded insights into the chemical and macroscopic structures involved in biological energy systems, which are important in many genetic or age-related dysfunctions and in biotechnology processes.

He developed the electrochemical method used in laboratories worldwide to resolve and describe the array of components in respiratory and photosynthetic electron transfer chains, as well as many others in enzymes of oxidative metabolism.

Among his many other achievements, he settled a half-century-old problem by revealing the spin-polarized triplet state of chlorophyll in photosynthesis and proved it was part of a safe way of handling unwanted light

energy. He also described the quantum-mechanical basis of long-range biological electron transfer and identified which parameters have been naturally selected for the engineering of biological redox systems.

Dr. Dutton has been a faculty member at the University of Pennsylvania since 1971 and is currently chairman of its Department of Biochemistry and Biophysics. He earned both his bachelor's degree in chemistry and his doctoral degree in biochemistry at the University of Wales. He is managing editor of *Biochimica et Biophysica Acta*.

The Ernest C. Pollard Lecture is named in honor of Ernest C. Pollard, who taught as a professor of physics at Penn State from 1961 to 1971, and founded the Department of Biophysics. The lecture is made possible through donations from his friends, colleagues, and associates.

The Department of Biochemistry and Molecular Biology has incorporated the Pollard lecture into a program of spring 1995 lectures. The remaining lectures in the series are the Russell Marker Lectures in Genetic Engineering, sponsored by the Eberly College of Science, featuring Robert Tjian, of the Howard Hughes Medical Institute at the University of California at Berkeley, scheduled for April 19-22.

## SUNY professor to give Marker Lectures in Mathematical Sciences March 21-24

Dusa McDuff, professor of mathematics at the State University of New York at Stony Brook, will present the 1995 Russell Marker Lectures in the Mathematical Sciences from March 21-24 at the University Park Campus.

The four-lecture series, titled "New Developments in Symplectic Topology," is sponsored by the Eberly College of Science and is open to the public.

The schedule includes: "The Geometry of Classical Physics," 8 p.m. Tuesday, March 21, in 108 Wartik Laboratory; "A Survey of Symplectic 4-Manifolds," 4:30 p.m. Wednesday, March 22, in 106 Osmond Laboratory; "The Energy of Symplectomorphisms I," 4:30 p.m. Thursday, March 23, in 106 Osmond Laboratory; and "The Energy of Symplectomorphisms II," 4:30 p.m. Friday, March 24, in 106 Osmond Laboratory.

Dr. McDuff is well known for her considerable extension of the seminal work of Gromov on pseudo-holomorphic curves in symplectic geometry. Especially celebrated is her deep insight into the structure of 4-dimensional symplectic manifolds and her groundbreaking work on the energy of symplectomorphisms and capacities, a cornerstone in symplectic topology.

A professor at SUNY Stony Brook since 1984, Dr. McDuff served as chair of the university's mathematics department from 1991 to 1993. She has held visiting professorships at numerous institutions, including the University of California at Berkeley, Mathematical

Sciences Research Institute, Institute for Advanced Study, and the Massachusetts Institute of Technology.

Dr. McDuff was named Fellow of the Royal Society in 1994. She received the National Science Foundation Visiting Professorship for Women, the United University Professions Excellence Award, and the Satter Prize in 1991.

Currently, she is chair of the Scientific Advisory Committee of the Mathematical Sciences Research Institute and is a member of the Visiting Committee for the Department of Mathematics of the University of California at Berkeley. She has served as chair of the Selection Committee for American Mathematical Society (AMS) Centennial Fellowships from 1990 to 1991, and has been a member of the Program Committee of the AMS, and a member of the U.S. National Committee on Mathematics from 1991 to 1993. She served as associate editor of the *Journal of the AMS* and the *Journal of Geometric Analysis*.

Dr. McDuff earned her bachelor of science degree with honors at the University of Edinburgh in 1967 and her doctoral degree at the University of Cambridge in 1971.

The Marker Lectures were established in 1984 through a gift from Russell Earl Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth control pill. Russell Marker died March 3.



## March 21 and 22 talks

### Architecture lecture March 21

Lebush Woods, co-founder of the New York-based Research Institute for Experimental Architecture, will present a lecture at 6:30 p.m. Tuesday, March 21, in Room 101 of the Classroom Building on the University Park Campus. The event is part of the College of Arts and Architecture Department of Architecture lecture series.

Mr. Woods has also been a visiting professor at Harvard University, Columbia University, The Southern California Institute of Architecture, and is currently visiting professor of architecture at The Cooper Union in New York.

His published articles on architecture include commentaries on the work of Louis Kahn, the Soviet and Russian Avant-Garde, Reinhold Abraham and Zaha Hadid. Exhibitions of his work have received international recognition, and he has displayed his work in such places as the Aedes Galerie in Berlin, the Pavillon de L'Arsenal in Paris and the Sloan Gallery in Mexico City.

An exhibition of Mr. Woods' photos will be shown on Tuesday, March 21, in the Architectural Gallery of the Engineering Unit Building "C" on the University Park Campus.

The lecture is free to the public.

### "Understanding Japanese Thought"

Thomas Kasulis, professor of philosophy and East Asian languages and literature at Ohio State University, will speak on "Understanding Japanese Thought" at 4 p.m. Tuesday, March 21, in Room 104 Weaver at University Park. The lecture is co-sponsored by East Asian Studies and the Department of Philosophy.

Dr. Kasulis is a leading scholar in Japanese and comparative philosophy and religious thought. His publications include *Zen Action/Zen Person* (Hawaii), *The Body: Toward an Eastern Body-Mind Theory* (SUNY), and *Self as Person in Asian Theory and Practice* (SUNY).

### Successful women is topic March 22

The Women in the Sciences and Engineering (WISE) Institute announces a lecture by Dusa McDuff, professor of mathematics at the State University of New York at Stony Brook. Dr. McDuff's lecture, titled "Successful Women in Mathematics Throughout History," is at 8 p.m. Wednesday, March 22, in 111 Warrick Laboratory.

Dr. McDuff has been on the faculty at SUNY Stony Brook since 1978. She earned a bachelor's degree from the University of Edinburgh in Scotland, and a Ph.D. from the University of Cambridge in England. She has held several visiting faculty positions, including a National Science Foundation Visiting Professorship for Women. She won the Satter Prize in 1991, was named a Fellow in the Royal Society in 1994, has written more than 50 publications, and has given dozens of presentations around the world on her area of mathematics.

The lecture is open to the public.

### Insurance talk on March 22

David Cutler will be giving an invited lecture on the topic "Does Public Insurance Crowd Out Private Insurance?" on Wednesday, March 22, at 2:30 p.m. in 260 Willard. The talk is sponsored by the Economics Department, the Institute for Policy Research and Evaluation, the Center for Health Policy Research, Health Policy Administration and the Center for Health and Aging in Rural America.

Dr. Cutler, who is currently on the faculty at Harvard University and is a member of the National Bureau of Economic Research, holds a Ph.D. from M.I.T. (1991). He recently served as senior staff economist for the Council of Economic Advisers, as director of the National Economic Council, and as a member of the task force on health reform. The talk is open to the public.

## NIH chief to discuss gene regulation

Sankar Adhya, chief of the Developmental Genetics Section at the National Institutes of Health, will present the 1995 Stone Memorial Lecture at 4 p.m. Monday, March 27, in 102 Classroom Building on the University Park Campus.

The lecture, titled "Gene Regulation by DNA Looping and Unlooping," is sponsored by the Department of Biochemistry and Molecular Biology. Anyone interested may attend.

Dr. Adhya has been a member of the Laboratory of Molecular Biology at the National Cancer Institute since 1971. He was one of the early scientists to study insertion elements and episomes in bacteria—these DNA elements developed into the vehicles for much of genetic engineering. He has made fundamental contributions to a number of areas of gene control in prokaryotic organisms. His recent studies have revealed DNA looping caused by regulatory proteins.

He has received several NIH honors, including the Director's Award in 1991. He is a member of the National Academy of Sciences and the American Academy of Microbiology.

The Stone Memorial Lecture honors Robert W. Stone, head of the former Department of Microbiology for 23 years. Microbiology merged with the biophysics and biochemistry departments in 1979 to form the present Department of Biochemistry and Molecular Biology.

Sankar Adhya

form the present Department of Biochemistry and Molecular Biology.

## Symposium on Nobel Laureate to be held March 27 on University Park Campus

A symposium on the 1994 Nobel Laureate, Kenzaburo Oe, will be held at noon Monday, March 27, in Room 101 Kern Building on the University Park Campus as an expanded version of the Comparative Literature Luncheon Series.

Featured speakers will be Susan Napier, of the University of Texas-Austin, "Kenzaburo Oe: Darkness and Light," and Masao Miyoshi, of the University of California-Dan Diego, "Kenzaburo Oe and His Readers."

Kenzaburo Oe, the best-known writer and political activist of Japan's postwar generation, often is referred to as the "conscience of Japan." Brought up in a remote village on Shikoku, he was ten years old when Japan was defeated in World War II. His observation of the transition from imperial dictatorship to "democracy" strongly influenced him and his works, permeating them with a skepticism concerning betrayal by authority.

Professor Napier is the author of *Escape from the*

*Wasteland* (Harvard, 1991), a comparison of the works of Oe and Yukio Mishima. Professor Miyoshi, one of the most prominent figures in Japanese literary and cultural studies, is the author of *Accomplices of Silence* (Berkeley, 1974); *Postmodernism and Japan* (Duke, 1989); and *Public Harward, 1991*, and *Japan in the World* (Duke, 1993).

The symposium is co-sponsored by the East Asian Studies Committee, Department of Comparative Literature, Institute for Arts and Humanistic Studies, and the East Asian Studies Student Society. Primary organizers are Reiko Nemoto, assistant professor of comparative literature, and Steven Heine, associate professor of religious studies, with assistance from Carey Eckhardt, head of Comparative Literature, and William Duiker, chair of the East Asian Studies Committee.

In addition to his presentation at the symposium, Professor Miyoshi will speak on "Kenzaburo Oe, the Ambiguous and Japan" at 4 p.m. March 27 in Room 102 Weaver Building.

## Talk on adolescents slated for today

Elizabeth J. Susman, Shibley Professor of biobehavioral health and professor of human development and nursing, will give a lecture on "Competition and Serenity: Hormones and Behavior in Adolescence," at 4 p.m. today, in 209 Henderson Building South on the University Park Campus.

Dr. Susman is this year's recipient of the Evan G. and Helen G. Pattishall Outstanding Research Achievement Award, given annually to an outstanding faculty member in the College of Health and Human Development. Traditionally the awardee gives a lecture about his or her research.

Her research focuses on individual differences in emotions, development and stress. She is particularly known for her research on the role of stress hormones (such as adrenal androgens and cortisol) in puberty, especially during adolescent pregnancy.

She is co-editor of *Emotion, Cognition, Health,*



Elizabeth J. Susman

and Development in Children and Adolescents," and has published extensively in health and developmental journals.

Dr. Susman also is director of the college's federally-funded Center for Child and Adolescent Health and Behavior. Last year she was a visiting professor at Harvard University, where she studied the development paths that lead to delinquency, criminality and violent behavior.

More lectures on page 8

# LECTURES

## Expert on technological change at Graduate Research Exhibition

An expert on the effects of technological change will deliver the opening lecture of the Tenth Annual Graduate Research Exhibition, at 1 p.m. March 17. The Graduate Research Exhibition, where student research will be displayed to the public, runs from March 17-18 in the HUB Ballroom and Fishbowl on the University Park Campus.

Marlene Burkhardt of the Wharton School of the University of Pennsylvania will give her address in the HUB Assembly Room.

Dr. Burkhardt received her Ph.D. in business administration from Penn State in 1990 and holds the position of Anheuser-Busch Assistant Professor of Management in the Wharton School.

Her research interests include organizational change; the interplay of power, technology, and structure; the relationship between structure and individual characteristics; and changes in social networks over time.

Her lecture, sponsored by The Graduate Council and The Graduate School, is open to the public.



Marlene Burkhardt

## Talk on career of Harriet Moody set for March 20 at the Nittany Lion Inn

Susan Albertine, associate professor of English and head of the English Department at Susquehanna University, will deliver the spring lecture for the Center for the History of the Book at 3:30 p.m. Monday, March 20, in the Fireside Lounge at the Nittany Lion Inn.

Dr. Albertine's talk, "Cakes, Poetry, and the Anomalous Career of Harriet Moody," will reconstruct Harriet Moody's career and argue for a significant position for her in what Robert Darnall calls the "communications circuit." Moody (1857-1932) was a verbal artist herself, a creative shaper of modernism, and an active and forceful participant in American print culture of her time.

Dr. Albertine's writings have

appeared in such journals as *American Literature*, *American Literary History*, *Biography* and *Review*. She is interested in life writings by women and in the image of the businesswoman in American literature. Her most recent work, due out this month from the University of Tennessee Press, is a collection of essays on American women in print culture titled *A Living of Words*.

Following the lecture, there will be a reception in the Fireside Lounge.

The Center for the History of the Book, which promotes the study of print culture, is an interdisciplinary venture supported by the Department of English, the College of the Liberal Arts, and the University Libraries.

Zealand. Her research interests focus on geomorphology and Quaternary geology.

Since 1987, she has been the project geologist with the Grevena Project, an interdisciplinary archaeological survey of the Grevena province in northwestern Greece. She is a member of many scientific societies, including the Geological Societies of America, New Zealand and Greece, American Association for the Advancement of Science, and Sigma Xi.

For more information on discussion groups for Dr. Savina, contact Pat Gong at 863-0159 or FAX 865-3378.

## Professor of geology to speak March 27

Mary Savina, professor of geology at Carleton College, in Northfield, Minn., will present the talk "The Holocene Whodunnit: Why We Should Care About the Causes of Landscape Change."

The lecture, sponsored by the Sigma Xi Penn State Chapter, is at 4 p.m. March 27, in 22 Deike Building, and is open to the public.

Dr. Savina received her B.A. degree from Carleton College, and her master's and doctoral degree from the University of California at Berkeley. From 1987 to 1990 she taught at Victoria University of Wellington, New

## Keep these dates open

### AFSCME president to speak March 23

Gerry McEntee, president of the American Federation of State, County, and Municipal Employees (AFSCME) — the leading union of public sector workers in the United States, will deliver the Eighth Annual Philip Murray Memorial Labor Lecture at 7 p.m. Thursday, March 23, in Kern Auditorium on the University Park Campus.

The event, sponsored by the Department of Labor Studies and Industrial Relations, is being held in cooperation with the United Steelworkers of America. The lecture's purpose is to bring a prominent leader in the American labor movement to campus in an effort to create a dialogue between labor and the University community.

The title of this year's lecture is "Working for America's Men and Women." The lecture is open to the public.



Gerry McEntee

### How terrific are you?

"How to Tell Yourself You're Terrific" will be the subject of a seminar to be held at 7 p.m. Tuesday, March 28, at the Penn State Hazleton Campus.

The upbeat, interactive and informative seminar conducted by Professor Stella Lushis DePaulo will present practical suggestions for recognizing and appreciating yourself. Her talk will help participants discover ways to refresh their spirit, balance responsibility and handle stress effectively.

The program will contain an interactive self-assessment segment, as well as segments that deal with handling stress, feelings of guilt, and setting priorities and managing time.

Ms. Lushis DePaulo, an assistant professor at East Stroudsburg University, teaches the assertiveness training course offered by the psychology and continuing education departments. She has presented seminars to more than 40 colleges, hospitals, agencies and community organizations. She received her B.A. degree from East Stroudsburg University and an M.A. degree from Maryland College.

For more information on costs and location, call the Penn State Hazleton Office of Continuing and Distance Education at (717) 450-3110.

### Author to read works March 18

Poet, essayist, and short story writer David Huddle will read from his work at 7:30 p.m. Saturday, March 18, in 305 HUB on the University Park Campus. The reading is open to the public.

Professor Huddle is the author of four books of short stories: *A Dream With No Swamp Roots in It*, *Only the Little Bone*, *The High Spirits*, and *The Nature of Vermont* and his collection of essays is titled *The Writing Habit: A David Huddle Reader, Selected Prose and Poetry*, published in 1994. He currently is professor of English at the University of Vermont.

His reading is the first of two readings this spring sponsored by The Institute for Arts and Humanistic Studies, The Research and Graduate Studies Office of the College of the Liberal Arts, and the Department of English. On Saturday, April 22, at 7:30 p.m. in the HUB Assembly Hall, novelist Susanna Kaysen (author of *Girl, Interrupted*) and Pulitzer Prize-winning poet Maxine Kumin will read from their work.

### Penn State Harrisburg lectures announced

The 1995 Downtown Harrisburg Lecture Series sponsored by the Penn State Harrisburg School of Business Administration continues April 4 at noon.

Hosted by the Penn State Harrisburg Eastgate Center, the "Current Issues in Business" series is designed to provide information for both consumers and business, and includes 10 lectures throughout the year.

The remainder of the lecture series includes:

April 4 — Mukund Kulkarni, associate professor of finance, on "Pennsylvania Anti-Takeover Legislation: Who Gains? Who Loses?"

May 9 — Terence Brown, associate professor of marketing, on "Business Logistics: Today and the Future."

June 6 — John Ritson, controller, Empire Poultry, on "Empowering Employees: A Case Study in Changing Corporate Culture."

Sept. 6 — Harvey Arbelaz, assistant professor of international business and finance, on "The Seven Ps of Profitable Privatization in Latin America."

Oct. 12 — Stephen Schappe, assistant professor of management, on "Valuing Diversity: Applications and Implications."

Nov. 8 — Jean Harris, assistant professor of accounting, on "Cutting Edge: Tax Cut Issues."

Dec. 5 — Mehdi Khosrowpour, associate professor of information systems, on "Global Information Technology: Opportunity and Trends."



## Appointments

### Penn State Harrisburg names provost

John C. Bruhn, vice president for academic affairs and research at The University of Texas at El Paso since 1991, will become provost and dean of Penn State Harrisburg, subject to the approval of the Board of Trustees.

According to President Thomas, who will recommend Dr. Bruhn's appointment to the board, the appointment is scheduled to be effective July 1. Dr. Bruhn will succeed Ruth Leventhal, who resigned from the post on Dec. 31 to pursue interests in research and teaching in the College of Medicine at The Milton S. Eshelby Medical Center.

"Dr. Bruhn brings a distinguished and progressive career as a research sociologist and administrative experience in higher education to the position of provost and dean of Penn State Harrisburg," Dr. Thomas said. "His leadership will strengthen the presence and position of Penn State Harrisburg in the capital region of the Commonwealth."

As provost and dean, Dr. Bruhn will serve as the principal academic leader and executive officer at Penn State Harrisburg and will be responsible for working with faculty in planning, implementing and evaluating programs of instruction and research at the campus; for developing and promoting cooperative relationships with regional, academic, professional and business groups and for administering all budgets at Penn State Harrisburg and management of the physical plant operations. Included in his responsibilities will be oversight of a major campaign to raise funds to support a new library on the campus.

Dr. Bruhn began his career at the University of Nebraska School of Medicine as a researcher. This was followed by several academic appointments at Yale University and the University of Oklahoma Health Sciences Center. In 1972, Dr. Bruhn was appointed associate dean for community affairs at the University of Texas Medical Branch. He was promoted as dean of the School of Allied Health Sciences and special assistant to the president for community affairs at the University of Texas Medical Branch in 1981, where he served for 10 years. In 1991, Dr. Bruhn was appointed to his current position of vice president for academic affairs and research at the University of Texas at El Paso.

Dr. Bruhn has received five prestigious fellowships early in his career. He was a Yale University Fellow, a U.S. Public Health Service Fellow, a U.S. Fulbright Fellow, a John E. Fogarty Health Scientist Exchange Fellow, and a World Health Organization Fellow. He is a certified clinical sociologist and has received a number of other prestigious awards.

At the University of Texas at El Paso, Dr. Bruhn successfully led the development of new academic programs and achieved approval of the Texas Higher Education Coordinating Board for the establishment of two new doctoral programs. Dr. Bruhn served on numerous international, national, state and local committees and task forces. He has served on several editorial boards, has been principal investigator of grants in excess of \$7 million, and has published more than 15 refereed journal articles and 12 books.

### Director comes on board

Janet M. Krone has been appointed director of investment administration in the Office of the Associate Treasurer.

In this position, she will be responsible primarily for the administration of investment programs and external managers of the University's investment portfolios, including its endowment fund.

A graduate of New York University's School of Business and Public Administration with a B.S. degree in banking and finance, Ms. Krone received an MBA in economics and a finance from NYU's Graduate School of Business Administration.

Prior to joining the University staff, she was vice president, Smith Barney Capital Management Divi-

sion, Smith Barney, Harris Upham & Co., New York City.

She has held a number of positions in the investment field, including senior consultant, Mercer Asset Planning, manager of the Investment Management Department, NYNEX Corp., and senior investment manager analyst with General Motors, all in New York City.

Previously, she was on the staff of AT&T Technologies as financial analyst for the Pension Fund Department and as section chief, Finance Staff, and had served as an economic analyst for Texaco, Inc.

Ms. Krone is a member of the Financial Women's Association of New York, NYSSA—Investment Technology Association, and The Money Marketers.

While a corporate planner, she was affiliated with the Personnel Group East, "Q" Group East, and the Callan Investments Institute.

### Intercom editor named

Lisa M. Rosellini has been named manager of internal publications in the Department of Public Information.

As manager, her primary responsibility is to oversee the publication of *Intercom*, the University's weekly faculty/staff newspaper with a circulation of 23,000. In addition, she is responsible for writing, editing and coordinating the publication of various internal newsletters.

Rosellini succeeds Bill Campbell, who recently retired after 28 years service.

During the past three years, she has served as associate editor of *Intercom*, and as writer/editor for the department covering research in the College of Agricultural Sciences.

Before joining Penn State, Ms. Rosellini was marketing coordinator for P. Joseph Lehmman, Inc. Consulting Engineers in Hollidaysburg, Pa., where she was responsible for writing press releases, informational brochures and technical proposal packets. She also handled media events and acted as a legislative liaison to state government officials.

A native of Cleveland, Ohio, she earned a B.A. in journalism in 1984 and her M.A. in 1991, both from Indiana University of Pennsylvania.

### Enrollment director appointed

Thomas L. Streveler has been named director of enrollment services at Penn State Harrisburg.

For the past eight years, Dr. Streveler has served as director of admissions and assistant director of financial aid at Western Illinois University.

With 24 years of experience in a wide variety of



Thomas L. Streveler

student services, his record includes successes in increasing multi-cultural enrollments; establishment of an evening college, and the creation of more than 100 brochures, 10 view-books, promotional posters and three college/university videos.

Dr. Streveler also supervised the development of more than 200 curriculum articulation agreements with 36 community colleges.

He holds bachelor's degrees in philosophy and chemistry, a master's in chemistry and a doctorate in educational administration and adult education, all from the University of South Dakota.

### H&HD professorship filled

Elizabeth J. Susman, professor of biobehavioral health, human development and nursing, has been appointed to the Jean Phillips Shibley Professorship in biobehavioral health in the College of Health and Human Development.

A faculty member in the college since 1986, she also is director of the Center for Child and Adolescent Health and Behavior, a federally funded center based in the college.

The Department of Health focuses on the wide range of factors—biological, behavioral, socio-cultural and environmental—that affect health. The Shibley Professorship in Biobehavioral Health was established in 1980 and was held by University alumnus Raymond N. Shibley (now deceased) in memory of his wife. The first holder of the professorship, Barbara J. Rolls, recently was named to the Helen A. Guthrie Chair in Nutrition.

Dr. Susman's research focuses on the relationship between hormones and behavior during adolescence, particularly individual differences in emotions, development, and stress. She was among the first to connect hormonal changes in adolescents with changing behavior and physical development, and she has found that the adjustment to puberty may depend less on sex hormones than on stress hormones. She is especially interested in two stress hormones—adrenal androgens and cortisol, both of which are associated with depression.

Last year she was a visiting professor at Harvard University, where she studied the developmental paths that lead to delinquency, criminality, and violent behavior.

Dr. Susman is co-editor of the book *Emotion, Cognition, Health, and Development in Children and Adolescents* and has published extensively in health and developmental journals. Before joining the University faculty, she had been a senior staff fellow at the National Institute of Mental Health. She serves as a consultant to various federal agencies in developing research priorities for health and behavior.

A registered nurse, she holds three degrees from Penn State: a bachelor's in individual and family studies and a master's and doctorate in human development and family studies.



Elizabeth J. Susman



Janet M. Krone

(The Institute for Quantitative Research in Finance), and the Callan Investments Institute.



Lisa M. Rosellini

# The Arts

AT PENN STATE

## Bach's Lunch

The Penn State Concert Choir, under the direction of D. Douglas Miller, professor of music in the College of Arts and Architecture School of Music, will perform for the Bach's Lunch series at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Concert Choir consists of 64 singers, the majority of whom are music majors.

At 12:10 p.m. Thursday, March 23, the Singing Lions, under the direction of Peter Kiefer, instructor of music, will perform for the Bach's Lunch series. The Singing Lions is composed of 19 singers, three instrumentalists, three technical crew members and a staff of four chorographers. The concert is free to the public.

On April 1 the Singing Lions will present their annual "Cabaret Night" in Kern Graduate Commons on University Park Campus.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the Bach's Lunch performance. Coffee and tea will be provided. The concerts are free to the public.

## Shaver's Creek

Shaver's Creek Environmental Center will offer the following public programs in March:

—Owl Fowl, Friday, March 17, 7 to 9 p.m. This includes a slide show and up-close look at some live owls, followed by a walk in the woods to look for and look at owls.

—Bluebird Box Workshop, Sunday, March 19, 1 to 3 p.m. This program will focus on how to build homes for one of Pennsylvania's threatened species: the eastern bluebird. Participants are encouraged to bring a hammer.

Shaver's Creek also will offer two maple sugaring open houses in March. Last year Sugaring will feature 19th-century characters and focus on Native American and pioneer techniques for maple sugaring. It will be held Saturday, March 18, from 11 a.m. to 4 p.m. Participants in the other open house, Modern Methods of Maple Sugaring, will experience the modern process from tree to table. It is scheduled for Sunday, March 26, from 11 a.m. to 4 p.m.

Pre-registration is required for each of these programs. For information

and registration is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested people also can call either number to receive a free copy of Shaver's Creek seasonal program guide.

## Flute Ensemble

The Penn State Flute Ensemble, under the direction of Eileen Varriano, instructor of flute, will perform in concert at 8 p.m. Friday, March 17, in the College of Arts and Architecture School of Music Recital Hall in Music Building 1 on the University Park Campus.

The 13 members of the Flute Ensemble represent several major areas of study, including music, engineering, math and microbiology. The members will perform in both large and small ensembles, and will play music dating from the Baroque era through 1991.

The performance is free to the public.

## Hazleton Campus

The musical ensemble of Whiskey Tango will perform in the Highcares Commons Building on the Penn State Hazleton Campus at 8 p.m. Friday, March 17.

## Piano recital

Timothy Shafer, associate professor of music, will give a piano recital at 2 p.m. Saturday, March 18, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will include the Italian Year of Franz Liszt's "Year of Pilgrimage." Dr. Shafer will discuss the program before performing.

Dr. Shafer, who joined Penn State in 1986, is active as a soloist and chamber musician.

With degrees from Oberlin Conservatory and Indiana University at Bloomington, Dr. Shafer has been the recipient of numerous prizes and awards.

The recital is free to the public.

## "Still/Here"

The Bill T. Jones/Arnie Zane Dance Company will perform "Still/Here" at 8 p.m. Saturday, March 18, in Eisenhower Auditorium on the University Park Campus. The evening-length work was co-commissioned by the Penn State Center for the Performing Arts.

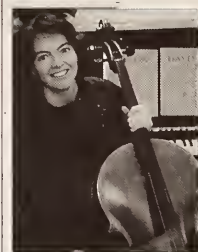
The multi-media dance event addresses the issue of living in the face of life-threatening illness. Bill T. Jones, who is HIV positive, cycled

material for the performance from survival workshops held around the country—including one at Penn State.

A master class is scheduled for Friday, March 17 from 1:30-3 p.m., in room 108 of the White Building. The class is free to the public.

A symposium titled "Managing Mortality," conducted by chorographer Jones with a panel of local participants, will be held at 7:30 p.m. Friday, March 17, in the Colonial Room of the Nittany Lion Inn. The evening will conclude with a reception, featuring members of the Bill T. Jones/Arnie Zane Dance Company. The symposium and the reception are free.

For information about tickets for Saturday's concert, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255. Outside the local calling area, phone (800)ARTS-TIX.



Cellist

Kim Cook, assistant professor of music, along with pianist Marylene Dosse, professor of music, presents a recital at 8 p.m. Thursday, March 23, in the School of Music Recital Hall.

## Orchestra performance

A new work for chamber orchestra by Paul Barsom, a composition instructor in the College of Arts and Architecture School of Music, will be premiered by the Pennsylvania Centennial Chamber Orchestra. Under the direction of Douglas Meyer, the event will be held at 3 p.m. March 19, in Faith United Church of Christ at 300 E. College Ave. in State College. There will be a pre-concert lecture and discussion with the composer. The concert is free to the public.

## Dance History Ensemble

Dance historian Chrystelle Bond and her dance troupe, Choreographique Antique, will present a lecture demonstration at 5:30 p.m. Tuesday, March 21, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

This lecture demonstration will focus on the aristocratic minuet of the 18th century and the whirling dervish of the 19th century. Dancers will perform in period costumes. The presentations are reconstructions based on research. To enhance the interpretive content, the dancers incorporate first-person narration

and encourage audience participation.

The event is free to the public.

## Brass chamber music

A brass chamber music concert is scheduled for 8 p.m. Tuesday, March 21, in the College of Arts and Architecture School of Music Recital Hall. The program will feature a variety of music performed by students in the Brass Quintet, Trombone Quartet, Tibula-Euphonium Quartets and the Nittany Decet. The groups are coached by faculty members of the School of Music. The event is free to the public.

## Violin concerto

Joanne Zagst, retired professor of music in the School of Music, will be the featured soloist with Nittany Valley Symphony at 8 p.m. Tuesday, March 21, in Eisenhower Auditorium on the University Park Campus. She will play Sergei Prokofiev's Violin Concerto. The symphony performance will also include two works by Johannes Brahms.

As first violin with the Alard Quartet for most of its 30-year tenure at the University, Professor Zagst has performed throughout the United States and Canada, Mexico, Europe and the Pacific. With Leonard Feldman she has performed duo recitals in Lithuania and Russia, and has had solo appearances with the Houston Symphony, the Wichita Falls (Texas) Symphony, the Altona Symphony and the Nittany Valley Symphony.

For ticket information, call Eisenhower's Ticket Center at 863-0255.

## Behrend film series

There are five movies scheduled for the 1995 Women's Film Series at Penn State Erie, The Behrend College. Titled "Women in the Face of Fascism, Colonialism, and Sexism," the series runs Tuesdays at 7 p.m. beginning March 21 through April 25. The films, the majority of which are subtitled in English, will be shown in the Reed Lecture Hall, Reed Union Building.

■ March 21: The series opens with "Xala," a film censored in Senegal, home of the movie's creator, Ousmane Sembene.

■ March 28: "Xica," a story of an enslaved black woman who finds she can dominate her white owners through sexual prowess.

■ April 4: "German, Pale Mother" takes an intimate look at individuals who tolerated Nazism in Germany, although they were not themselves party members.

■ April 18: "The Accompanist" focuses on an awkward young pianist, Sophie, and her sudden relationship with a sophisticated soprano who lives a life of rare privilege in wartime Paris.

■ April 25: "The Scent of Green Papaya," written and directed by Vietnamese emigre Tran Anh Hung, has been nominated for a foreign-language Oscar. "The Scent of Green Papaya" follows the life of Mai, a servant girl working in a middle-class Saigon home in 1951.

For information call 898-6000.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, March 16**  
Sigma Xi Luncheon Lecture Series, noon.  
Tour of the Materials Research Institute Laboratory, Research Park.  
Undergraduate Studies, noon, 305 HUB.  
Brown bag lunch on Ad/Vising.  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Concert Choir.  
Pattishall Outstanding Research Achievement Award Lecture, 4 p.m., 209 Henderson Bldg. South. Elizabeth J. Susman on "Competition and Serenity: Hormones and Behavior in Adolescence."  
**Friday, March 17**  
St. Patrick's Day.  
Graduate Research Exhibition, 2-6 p.m., HUB. Also March 18, 10 a.m.-3 p.m.  
Center for the Performing Arts, 7:30 p.m., Colonial Room, Nittany Lion Inn. Bill T. Jones Symposium: Managing Mortality. For information, call 863-0255.  
Shaver's Creek, 7 p.m., Environmental Center. Owl Prowl. Call 863-2000.  
School of Music, 8 p.m., Recital Hall. Penn State Flute Ensemble.  
**Saturday, March 18**  
Minority Faculty Development, 9 a.m., 114 Kern. David McBride on "Viva Development." For reservation, call 863-1663 by March 14.  
Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Building Galleries and the Need for Dark Matter."  
Shaver's Creek, 11 a.m., Environmental Center. Old Time Sugaring, maple sugaring open house. Call 863-2000.  
Gallery Talk, 11:30 a.m., Christofers Lobby, Palmer Museum. Elram Burck on "Early 20th Century American Painting at the Palmer Museum."  
School of Music, 2 p.m., Recital Hall. Timothy Shaffer, piano.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Bill T. Jones/Arnie Zane Dance Company. Tickets required, call 863-0255.  
**Sunday, March 19**  
International Fair, HUB.  
Shaver's Creek, 1 p.m., Environmental Center. Bluebird Box Workshop. Call 863-2000.  
**Monday, March 20**  
First Day of Spring  
■ Comparative Literature Luncheon, 12:40 p.m., 101 Kern. Jürgen Eichhoff on "German-American Literature."  
**Tuesday, March 21**  
■ East Asian Studies/Philosophy, 4 p.m., 102 Weaver Bldg. Thomas Kasulis on "Understanding Japanese Thought."  
Center for Women Studies, 7 p.m., HUB. Fibrowall. Tineke Cumming and Mariza Lodes on "Career Issues for Women."  
Art History, 8 p.m., Palmer Lipson Aud. Paul Watson on "The Northerness of Corregio's La Noia."  
School of Music, 8 p.m., Recital Hall. The Pennsylvania Brassworks.  
**Wednesday, March 22**  
Hillel, 2 p.m., Palmer Museum Aud. Film: "The Quarell," about two Holocaust survivors who meet after 15 years of separation. Also at 7 p.m., film followed by a panel discussion.  
Center for Women Studies, 7:30 p.m., HUB Assembly Room. David E. Grine will host "Mock Acquaintance Rape Trial."  
**Thursday, March 23**  
Bach's Lunch, 12:10 p.m., Eisenhower



## Dance History Ensemble

The Maryland dance troupe Choregraphie Antique, will present a lecture demonstration at 5:30 p.m. Tuesday, March 21, in the School of Music Recital Hall on the University Park Campus.

Chapel. The Singing Lions.  
School of Music, 8 p.m., Recital Hall. Kim Cook, cello, and Marylene Dosse, pianist.  
**Friday, March 24**  
Slavic Folk Festival, 10 a.m.-10 p.m., HUB Ballroom. Also March 25 and 1-6 p.m. March 26.  
Gallery Talk, 2 p.m., Christofers Lobby, Palmer Museum. Jennifer Olson on "Old Masters at the Palmer."  
■ Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Anne Knowles on "The Morality of Immigration: Welsh Calvinists in the Land of Mammon."  
School of Music, 8 p.m., Grace Lutheran Church. Harvard Glee Club and Penn State Glee Club.  
**Saturday, March 25**  
Office for Minority Faculty Development Workshop, 9 a.m., 114 Kern. Robert A. Killoran on "External Funding." For reservations, call 863-1663 by Mar. 21.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Guys and Dolls." Tickets required, call 863-0255.  
**Sunday, March 26**  
Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Cosmic Microwave Background: Glow from the Big Bang."  
Shaver's Creek, 11 a.m., Environmental Center. Modern Methods of Maple Sugaring. Call 863-2000.

## SEMINARS

**Thursday, March 16**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 333 Davy Lab. Jose Mourao, speaker.  
Adult, Continuing and Distance Education, noon, 201 Keller. James Meyer on "Marketing Research and Your Program: What, How, and Why."  
Applied/Economics Workshops, 2:30 p.m., 420 Kern. Heather Anderson on "Delet-

ing Common Nonlinear Components Using Canonical Correlations."  
Computer Science and Engineering, 4 p.m., 302 Pond Lab. Meera Babishnan, speaker.  
Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Bopaya Bidanda, speaker.  
**Friday, March 17**  
Agronomy, 12:15 p.m., 101 ASI. Bruce Thorold on "Modeling Nutrient Cycling and Fertilizer Recommendations in New Zealand Pastures."  
Agromony, 3:35 p.m., 107 ASI. Kathy Kallenbach on "Effects of Mowing and Fertility on Weed Control in Cool Season Turfgrass."  
**Sunday, March 19**  
Biotechnology Institute, 4 p.m., 110 Wark. David Fischhoff on "Development of Insect Resistant Transgenic Plants."  
**Monday, March 20**  
Center for Gravitational Physics and Geometry, 3:30 p.m., 101 Osmond Lab. John Collins on "Perturbative QCD."  
Plant Pathology, 3:30 p.m., 112 Burkholder Hall. Joel Shuman on "Evaluating a Potato Early Blight Forecasting System with an Integrated Host Resistant Factor."  
Geosciences, 4 p.m., 112 Walker Bldg. College Faculty Meeting.  
Aerospace Engineering, 4:40 p.m., 212 Hammond Bldg. Dimitrie Ristic on "Three Dimensional Viscous Flow Field in an Axial Flow Turbine Nozzle Passage."  
**Tuesday, March 21**  
Chemical Engineering, 9 a.m., 140 Fenske Lab. Henry Weinberg on "Alkanes Activation on Transition Metal Surfaces: Beam, Bubs, and New Insights."  
Chemistry, 3:30 p.m., SS Osmond Lab. Lila M. Gierach on "Protein Folding in the Test Tube and in the Cell."  
Biology, 4 p.m., 8 Mueller Lab. Mauricio M. Bustos on "Positive and Negative Control of Gene Expression During Embryonic Maturation in Plants."  
Computer Science and Engineering, 4 p.m., 302 Pond Lab. Bulent Yener on "High Speed Network Design with Virtual Topology Embeddings."  
Graduate Program in Nutrition, 4 p.m., 209 Henderson Bldg. South. Vickie Mustad on "The Effects of Dietary Fatty Acids on Hemostasis and Mechanisms Controlling Plasma LDL Cholesterol."  
The Colloquium Series, 6:30 p.m., Nittany Lion Inn. Academic Publishing: What, Why, and How?  
**Wednesday, March 22**  
Gerontology, 12:15 p.m., 101 H&H Aud. Susan Krauss on "A Multiple Threshold Model of Identity and Coping with the Aging Process."  
Biotechnology Institute, 12:20 p.m., 108 Tyson. Todd Dawson on "Trees That Leak: Hydraulic Lift and Its Ecophysiological Consequences."  
Accounting, 3:30 p.m., 333 Beam Bldg. Derek K. Chan on "Low Balling and Efficiency in a Two-Period Specialization Model of Auditing Competition."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. R. Ravi, speaker.  
**Thursday, March 23**  
Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Dennis Lot on "The Dissertation Process: School for the Seasonal Professional."  
Physics, 3:30 p.m., 101 Osmond Lab. Howard Stone on "Physics Results from LEP at CERN."  
School of Forest Resources, 3:45 p.m., 105 Ferguson Building. Jim Clark on "Scaling of Fire Importance of Eastern North America."  
Computer Science and Engineering, 4 p.m., 302 Pond Lab. Arup Acharya on "Structuring Distributed Algorithms and Services in Networks with Mobile Hosts."  
Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Maxwell Fogelman, speaker.  
**Friday, March 24**  
School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Ed Mills on "Ecosystem Changes in North American Lakes Toward the 21st Century: Will Their Invasions by Zebra Mussels Make a Difference."  
Agronomy, 3:35 p.m., 107 ASI. Fred Schnagel on "Alternative Septic Systems for Pike County, Pennsylvania."

## CONFERENCES

**Thursday, March 16**  
Resistant Organisms and New Pathogens, 60 attendees. The Penn State Scanticon.  
**Friday, March 17**  
Academic Assistance Programs Conference, 200 attendees. The Penn State Scanticon. Through March 19.  
**Tuesday, March 21**  
Fermentation Methods and Scale-Up Strategies, 18 attendees. The Nittany Lion Inn. Through March 24.  
**Wednesday, March 22**  
Geographic Information Systems Seminar, 22 attendees. The Penn State Scanticon. Through March 24.  
**Friday, March 24**  
Utility Systems and the Facility Manager, 20 attendees. The Penn State Scanticon.

## EXHIBITS

HUB Art Alley Cases and Panels: "Central PA Scholastic Art Competition," through April 9.  
**HUB Formal Gallery:**  
"I Dream A World: Portraits of Black Women Who Changed America," through March 25. Also in Browning Gallery.  
**Palmer Museum:**  
"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 9.  
**Pattie Mein Lobby:**  
An exhibit highlighting the Libraries' collections in women's history. Through March.  
**Paul Robeson Cultural Center:**  
Newly acquired works by Black American artists from California, Georgia, Ohio, Pennsylvania, Texas, New York and Maryland, through March.  
**Zoller Gallery:**  
"Undergraduate Juried Exhibition," through March 27.  
■ Reflects an international perspective

# Tenth Annual Graduate Research Exhibition starts tomorrow

Where do our research dollars go? In many cases, to support cutting-edge research by graduate students at major research universities.

Penn State is no exception and on March 17-18 the 10th Annual Graduate Research Exhibition will display and explain many of the research projects under way by students seeking master's and doctoral degrees. Graduate research topics range from the gamut from fish diversity in Pennsylvania, ancient climate modeling, insect populations, and characterization of diamond surfaces, to art online, East German markets, photographic manipulation and abstract scenic design.

Student research will be displayed to the public in the HUB Ballroom and Fishbowl on the University Park Campus from 2-6 p.m. March 17, and from 10 a.m.-3 p.m. March 18, when the awards ceremony will take place. The exhibit provides graduate students the

opportunity to explain and defend their research — to faculty, other students, administrators and the community.

In most cases, these exhibits are the result of a long-standing collaboration between a student and his or her adviser, William D. Taylor, acting dean of the graduate school, said. "The exhibition is the Graduate School's way of expressing the importance we place on students' ability to communicate the goals and significance of their research, not only to their advisers and peers, but to society in general."

More than 200 graduate students will compete for awards totaling \$10,000. All 10,659 Penn State graduate students perform research as part of their degree requirements. The Graduate Research Exhibition is cosponsored by the Graduate Council and the Graduate School.



**Research on display**

Students have the opportunity to show and defend their research at the annual Graduate Research Exhibition. The exhibition will be held in the HUB Ballroom and Fishbowl on the University Park Campus, March 17-18.

## Annual Slavic Folk Festival to be held March 24-26

The 17th Annual Penn State Slavic Folk Festival will be held from 10 a.m. to 10 p.m. Friday and Saturday, March 24 and 25, and from 1 to 6 p.m. Sunday, March 26, in the ballroom of Hertz Hotel Union Building on the University Park Campus.

The festival showcases cultural achievements of Pennsylvania's Slavic-American ethnic groups, featuring exhibits, demonstrations of folk art, and live performing groups. There will be book and artist booths, an ethnic snack bar, and special events for children from 10 a.m. to noon Friday, including a folk dance demonstration and instruction, as well as dramatized folk tales with audience participation.

The evening performance, starting at 7 p.m., will feature the Penn State International Dancers and the Polka Players who will play music for listening and dancing from 8 to 10 p.m. with a polka and a waltz concert.

The Saturday program will include the Czechoslovak-Moravian Club Folk Dancers of Endicott, N.Y., at 1 p.m.; the Slavane Folk Ensemble from McKees Rocks, Pa., and several other folk ensembles. The Saturday evening program will feature a folk orchestra playing music for listening and dancing.

The Sunday program will include performances by the Polka Revolution Band from Houtzdale, Pa., and the balalaika and accordion melodies of Galla and Dan from Alexandria, Pa. A repeat performance by the Penn State International Dancers will round out the Sunday program.

There will be special museum exhibits and demonstrations of various folk arts throughout the festival.

The Ethnic Snack Bar will serve hot foods on Friday and Saturday only from 11 a.m. until 2 p.m. and from 5 to 7:30 p.m.

The festival is sponsored by the Department of Slavic and East European Languages and the Penn State chapter of Delta Sigma Theta, the national Jewish studies honor society. Lorraine Kapitaniuk, chapter adviser, is coordinator of the festival, and Anna Mary Smalley is snack bar manager. There is no admission charge, and programs are free.

A preliminary program of festival events is available from Michelle Weaver, festival secretary, at (610) 865-1332.

## Arts continued from page 10

### Faculty recital

Cellist Kim Cook, assistant professor of music, and pianist Marylene Dosse, professor of music, will present a recital at 8 p.m. Thursday, March 23, in the College of Arts and Architecture School of Music Recital Hall. The duo will perform short pieces by Faure, and sonatas for cello and piano by Prokofiev and Chopin.

Ms. Cook has performed as a soloist in Austria, the Czech Republic, Germany, Italy, Russia, Finland, Brazil, Mexico, Puerto Rico and the United States. She earned her master of music degree from Yale, where she received the Maxwell Belding Award. She was principal cellist of the State Symphony of Sao Paulo under the direction of Eleazar de Carvalho. In Brazil, she taught at the Universidade Mozarteum, as well as the International Music Festival in Gramado and Campos do Jordao.

Marylene Dosse, pianist, has been acclaimed by the *New York Times* for her "combination of vigor, freedom, sensitivity, and control." Since winning international prizes in both Naples and Salzburg, she has performed extensively in Europe, South America, Mexico, North Africa, and the United States. Her complete works of Granados piano music won the critic's choice of *High Fidelity* magazine.

Ms. Dosse is a fellow of the Institute for the Arts and Humanistic Studies. She graduated from the Paris Conservatory with first prizes and was awarded a scholarship to study in Vienna.

The recital is free to the public.

### DuBois Campus

A special musical program by vocalist Barbara Kessler is scheduled for noon Wednesday, March 22, in the State DuBois Campus Student Union. The performance is open to the public.

Ms. Kessler has been performing professionally since winning the New Faces in Folk Contest at the New England Festival of Folk Music in 1989.

### Undergraduate exhibition

The Undergraduate Juried Exhibition is on display through March 27 in the College of Arts and Architecture School of Visual Arts Zoller Gallery on the University Park Campus.

Featuring works by students from the University Park and Commonwealth Campuses, the exhibit is open to students that were enrolled in art classes in the School of Visual Arts during the '94-'95 academic year.

From the almost 300 works submitted, 105 were selected for the exhibition, which is free to the public.

Zoller Gallery is in 101 Visual Arts Building.

### WFSX-TV

A local documentary produced by WFSX-TV titled "Architecture and Children's Museums: Through the Looking Glass" will air on nearly 50 public television stations nationwide on Monday, 5 p.m. March 20, and on April 2 at 7 p.m.

This documentary film is based on the research of Jawaid Haider, associate professor of architecture, who worked closely with local WFSX-TV producer/director Betsy Hutton to create the program.

Using examples from Dr. Haider's study of more than 30 children's museums in the United States and abroad, the show examines architectural issues relevant to the design of spaces and buildings for children. This project was supported in part by a grant from the National Endowment for the Arts, a federal agency. Additional funding was provided by the College of Arts and Architecture and WFSX-TV.

### Odyssey on WPSU

On the next episode of *Odyssey Through Literature*, "The Ethical Gaff," Duke University Professor of English and law Stanley Fish discusses the interrelated concepts of law, justice, ethics and morality.

*Odyssey Through Literature* is produced at WFSX-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WFSU, 91.5 FM.

### Palmer gala planned

The Friends of the Palmer Museum of Art will hold their annual black tie fundraiser, a Safari Evening, at 6:30 p.m. Saturday, April 22, in the Penn State Scanticon.

The event includes dinner, a silent auction and dancing to music by the Richard Victor Quartet until midnight. Proceeds from the gala benefit the Palmer Museum, providing funds for new acquisitions and such special events as the recent exhibition of Rembrandt etchings.

For more information, contact the Palmer Museum of Art weekdays between 8 a.m. and 5 p.m. at (814) 865-7672. Reservations should be made no later than April 14.



## Search is on for program director in C&DE

The search committee has been appointed and is now receiving applications for the position of director of Management Development Programs and Services for Penn State Continuing and Distance Education (C&DE).

Management Development Programs and Services (MDPS) partners with public and private client organizations to enhance individual and organizational effectiveness. MDPS uses quality educational and organizational training programs, including organizational assessment, program design and delivery, outcome evaluations, and ongoing consultation services. The director is responsible for leading and supporting a team of 14 full-time faculty at campuses and centers throughout Pennsylvania, and for administering a budget in excess of \$1 million.

Candidates for this position should have at least 10 years of significant management and leadership experience in a public or private setting. Teaching, training, and consulting

experience, with a background or understanding of organizational development (including work with new instructional technologies) and experience in an international setting is preferred. A doctoral degree is preferred. Willingness to travel is essential.

Michael P. Sawczuk, assistant professor of management development at the Wilkes-Barre Campus, is chair of the search and screening committee. Members are: James F. Campbell, associate director of Conferences and Institutes, C&DE; Laura C. Contino, assistant director of Management Development Programs and Services; Deloise A. Frisquie, program planning director for the Office of Program Planning, C&DE; Arthur A. Heim, director of the Industrial Research Office, Research and Technology Transfer, and Shirley S. Hendrick, assistant dean of The Smell College of Business Administration.

Harold A. Johnson, instructor of management development at the Worthington Scranton Campus; Frederick

D. Loomis, director of Administration and Organizational Development, C&DE; Ina K. Lubin, director of continuing education at the Wilkes-Barre Campus; Albert K. Mastarobono, assistant professor of management development at the Beaver Campus; Dennis M. McCartin, instructor of management development for the State College Service Area; Edward W. Munro, director of continuing education at Penn State Harrisburg; Sally S. Small, assistant director of Human Resources ESAD, C&DE; Melinda M. Stearns, director of the Office of Client Development, C&DE; and Kathryn K. Woodley, assistant professor of management development at Penn State Great Valley.

Applications and nominations will be received until a candidate is selected. They should be sent, accompanied by a resume and the names of three references, to: Chair, Search Committee, Employment Division, 1205 Burrows Street, University Park, PA 16801.

## College of Agricultural Sciences

### Looking to fill associate dean post

The College of Agricultural Sciences is conducting an internal search for the position of associate dean with program liaison responsibilities for the regional units, and extension responsibilities external to the college. The incumbent will also serve as an associate director of Cooperative Extension.

Associate deans report to the dean and senior associate deans serve on the dean's program planning and policy staff; work in concert with other associate deans; assist unit leaders, faculty and county extension staff, and represent the dean and senior associate dean as appropriate.

Candidates should have an earned doctorate in an agricultural or other appropriate discipline; demonstrated ability to provide programmatic leadership; effective interpersonal skills; an ability to communicate effectively with diverse audiences, and a commitment to the extension education, international, research and resident education functions of the land grant philosophy.

Applicants should send a letter describing qualifications, interests, resume and the names of three references to: Dean Lamarine F. Hood, College of Agricultural Sciences, 201 Agricultural Administration Building, Box B, University Park, PA 16802.

The position is available May 1. Applications will be accepted until the position is filled, however, initial review will begin April 17. For more information, contact Dean Hood at (814) 865-2541.

## New committee formed to advise Human Resources

Billie S. Wilits, assistant vice president for Human Resources, has appointed a Staff Focus Committee, to act in an advisory capacity to the Office of Human Resources. Formation of the committee is the culmination of a joint effort of the Commission for Women, the Committee on Racial/Ethnic Diversity, and the Office of Human Resources.

The following staff members have accepted appointments to the Staff Focus Committee: Lydia Abdullah, (Budget & Resource Analysis), Duane

Bullock (Business/Operations-Purchasing), Kenneth Clarke (Student Affairs), Marylou Delizia (Great Valley), Evelyn Ellis (Arts & Architecture), De Frisquie (Continuing & Distance Education), Kenneth Johnson (Office of Physical Plant), Jenny King (Office of the President), Beverly Ladd (Senior vice president for research & dean of the Graduate School), Stan Latta (Student Affairs), Fred Loomis (Continuing & Distance Education), Kathleen Matson (Earth & Mineral Sciences), J. Kevin Perry

(Beaver Campus), Debra Pitt (Eberly College of Science), Danielle Richards (Berks Campus), and Kenneth Rudy (College of Engineering).

The Staff Focus Committee will provide review and advice on such subjects as continuous quality improvement, diversity and customer service, among others.

The original appointment of 16 members may be expanded in the future. Members will serve three-year terms and meet on a quarterly basis.

## News in Brief

### Used book sale

The 34th Annual Used Book Sale, sponsored by The American Association of University Women, State College Branch, is slated for Saturday, April 8, from 3-9 p.m., and April 9-12, from 9 a.m. to 9 p.m. daily. More than 90,000 books are available for sale in the HUB Ballroom on the University Park Campus. Proceeds from the sale benefit fellowships and educational projects.

### Fulbright information

Penn State Educational Office Professionals invites you to attend a special topic meeting: "The Fulbright Program," at noon Friday, March 17, in Room 101 Kern Graduate Building. The speakers will be Mary Gage, coordinator of undergraduate fellowships and the Fulbright Program adviser, and James Lynch, director of the Office of International Studies.

PSOP is a professional organization whose membership consists of faculty, staff, non-exempt and technical services dedicated to promoting professional development among employees. For more information, contact membership coordinator Jenny King (863-4030).

### Nominations due

Penn State Educational Office Professionals (PSOP) reminds you that nominations for the Outstanding Office Professional Award are due by March 24. If

you have any questions or need a nomination form, please contact Linda Roan at (814) 865-1809 or E-mail at LMRI6@psuadmind.psu.edu.

### Textbook return

On March 13, the Penn State Bookstore began returning Spring 1995 textbook overstock. Faculty are asked to encourage students to purchase remaining textbooks as soon as possible.

### Sigma Xi honors new members

Sigma Xi Chapter will hold its annual Installation Ceremony for new members at 3:30 p.m. Wednesday, March 22, in the Fireside Alumni room of the Nittany Lion Inn. Michael Snider, professor of anesthesiology at The Hershey Medical Center, will present the keynote address, "Past, Present and Future of the Artificial Lung." All Sigma Xi members are welcome to attend. A light reception will follow the lecture.

### Summer employment

The Department of Dairy and Animal Science is interviewing students for summer employment. The following is a list of animal units where employment will be available, along with the name of the person(s) students should contact to arrange for an interview:

■ Penn State Beef Center—Pete LeVan or Don Nichols (863-0831)

■ Penn State Dairy Center—Walker McNeill (863-0835)

■ Penn State Dairy Breeding Research Center—Walker McNeill (863-0832)

■ Penn State Deer Pens—Bob Mothersbaugh (238-9671)

■ Penn State Haller Farm—Pete LeVan (355-1662)

■ Penn State Horse Barns—Ward Studebaker or Brian Egan (863-0384)

■ Penn State Meats Lab—Glenn Myers (865-1787)

■ Penn State Sheep Center—Dick Kuzemchak (865-3855)

■ Penn State Swine Center—Dave Hosterman (865-5651)

\*Housing may be available at these locations.

Guaranteed approximately 40 hours/week at \$5.00/hour from May 8-Aug. 19.

For more information, contact Bob Kimble at 863-3658.

### Research subjects needed

Are you over 60 and have arthritis? Volunteers are needed for a research project examining what a patient really remembers once they leave their doctor's office. If you are over the age of 60 and have arthritis, and are interested in participating in this project from your own home, please call Lisa at 861-8956.

Gift from Independence Foundation of Philadelphia spurs venture

## School of Nursing partners with agency to deliver rural health care

The School of Nursing has received a \$325,000 gift from the Independence Foundation of Philadelphia to establish rural nursing centers in an innovative partnership with the Home Nursing Agency.

The joint venture aims to deliver high-quality, accessible, primary and preventive health care to rural residents served by the nursing centers, and prepare nursing professionals for service in medically underserved rural communities.

Working in conjunction with the Home Nursing Agency (HNA), School of Nursing faculty and students plan to offer needed services to residents of the rural areas, including supervision of acute and chronic health problems, walk-in services, such as blood-pressure screening, stress management, community education programs, support groups for bereavement, weight loss, parenting, prenatal care and immunizations.

They will also collaborate with community institutions to meet the health care and education needs of the specific area.

"We are pleased that the College of Health and Human Development, its School of Nursing, and the Home Nursing Agency have been selected by the Independence Foundation as stewards for this important venture," Barbara Shannon, dean of the college, said. "This project represents well the University's commitment to education, research, and public service."

The nursing centers will be operated and administered by the School of Nursing and the Home Nursing Agency (HNA). Locations will be selected based on their geographic isolation from major health care areas, poverty rates—some of which are among the highest in the state—high unemployment rates, and the prevalence of small businesses and farming occupations in which access to health care is limited or not available.

Established in 1968, HNA, with headquarters in Altoona, provides a broad range of health-related services



The rural centers, to be established with the aid of a gift from the Independence Foundation of Philadelphia, will allow nursing students like this one to train for service in medically underserved communities. Services such as immunizations and parenting classes are among those that will be offered.

Photo: Courtesy of the School of Nursing

to individuals and families living in rural central Pennsylvania. A voluntary, nonprofit home health care agency, offering a comprehensive array of medically-related services, it provided more than 600,000 units of service to more than 17,000 people in 1993.

The School of Nursing, with more than 4,500 graduates, has a long history of providing education for professional careers in nursing.

"We believe the future for nursing centers is bright, particularly in this time of health care reform," Sylvia Schraff, chief executive officer of the Home Nursing Agency, said. "The unique collaboration that has occurred between Penn State and our agency offers exciting promise and potential for continued success. The Independence Foundation's generous investment will provide critically needed primary health care services for significant numbers of

individuals whose needs are great. At the same time, these nursing centers provide the models for replication at other locations and could provide important solutions to some of today's most pressing issues."

The project is funded primarily by the gift from the Independence Foundation, with Penn State and the Home Nursing Agency providing supplemental start-up funds. The centers are expected to begin operation this year and anticipate continuing revenues from client fees, third-party payers and contractual arrangements.

The Independence Foundation was established in 1932 as the International Cancer Research Foundation by Colorado industrialist William H. Donner. Historically supporting cancer research and secondary education initiatives, it has more recently provided support for a variety of innovative nursing education ventures.

## COL CONTINUOUS QUALITY IMPROVEMENT

### Provost participates in benchmarking conference

John A. Brighton, executive vice president and provost, presented "An Essential Medium for Change in Academic Benchmarking" at the International Forum for Quality in Higher Education Conference on Benchmarking for Continuous Improvement in Daytona Beach, Florida on Feb. 23. Dr. Brighton discussed benchmarking process steps, types of benchmarking, a benchmarking code of conduct, and described the implementation of University-wide benchmarking, giving examples from the College of Engineering and the Office of Student Affairs. Dr. Brighton said benchmarking must be preceded by identifying the institution's vision, goals and customer needs, and should be coupled with strategic planning. Benchmarking is an ongoing activity that is never finished.

### Workshop for Academic Quality Consortium

Penn State sponsored a two-day workshop on "Benchmarking for Superior Performance" by W.R. Williamson, manager of marketing and business research in the DuPont Corp. for 20 members of the Academic Quality Consortium (AQC). Dr. Williamson has trained more than 900 people worldwide within DuPont and has facilitated benchmarking projects with teams across the corporation. Among the institutions represented at the workshop were Oregon State University; the University of Wisconsin at Madison; the University of Minnesota at Duluth; Georgia Institute of Technology; Miami University; the University of Michigan; Northwest Missouri State University, and Penn State. The workshop was conducted in preparation for an AQC benchmarking project that will involve more than 20 post-secondary institutions.

### Business Services

At the request of Betty Roberts, assistant vice president for business services, approximately 75 managers, staff and technical service employees of the Office of Business Services received a course in the introduction to the philosophy of CQI in one of three sessions taught by Lenny Pollack and Louise Sandmeyer. Staff and managers learned about the implementation of CQI at Penn State, received information about CQI teams, and received a brief introduction to the CQI problem-solving model, IMPROVE. Other units interested in receiving on-site training in CQI should contact Mr. Pollack, manager of the Human Resource Development Center, at 865-3522.

## Penn Staters

Beth Barnes, assistant professor of advertising in the School of Communications, has been appointed chair of the American Academy of Advertising's Industry Fellowships Committee. The committee works with advertising and marketing industry groups to develop fellowships that enable academy members to attend industry meetings and seminars.

Z.T. Bieniawski, professor of mineral

engineering, presented an invited lecture, titled "The Role of Rock Mass Classifications in the Context of Modern Tunnel Design," at the National Technical University of Athens. Dr. Bieniawski developed the classification system that is used extensively in Greece in tunnelling projects.

Sridhar Komarneni, professor of clay mineralogy, was named a Fellow of the Soil Science Society of America.

Ruth Leventhal, former Penn State Harrisburg provost and dean, will receive an honorary doctorate of humane letters from Thomas Jefferson University on May 12.

Dr. Leventhal was selected in recognition of her "long and impressive career," especially for the contributions she made as a leader in higher education.



# University to require immunizations for new students

Close living quarters and a practice of one-dose immunization in the 1970s and 1980s, make today's college students susceptible to a number of childhood diseases, such as measles and mumps, that are potentially deadly for adults.

Although the incidence of measles has decreased significantly over the past 25 years due largely to school immunization, a belief that a childhood one-dose measles vaccine provides lifelong protection has led to dangerous and costly consequences. Between 1986 and 1990 there were 2,749 documented and reported cases of measles on college campuses. In the Spring of 1993, Rutgers University had a major outbreak of measles with more than 90 confirmed and an additional 200 suspected cases. The cost of responding to this outbreak was estimated to be more than \$1.5 million.

Today, more and more universities like Penn State are taking preventive action requiring students to arrive with proof of immunization. Beginning Fall Semester, University Health Services will implement a "Pre matriculation Immunization Requirement" (PIR). The program will be launched at the University Park Campus, Penn State Erie, The Behrend College, Penn State Harrisburg, and the Penn State campuses at Hazleton and Altoona.

"Our goal is to minimize student exposure to rubella (measles), rubella (German measles), and mumps by requiring that all new incoming fresh-

**"Our goal is to minimize student exposure to (measles, German measles) and mumps by requiring all new (students) provide documentation for these immunizations before registering for classes."**

Dr. Margaret Spear  
director  
University Health Services

men, advanced standing and graduate students provide documentation for these immunizations before registering for their classes," Dr. Margaret Spear, director of University Health Services, said.

Documentation must include proof of: one immunization for measles with a second dose administered after age 5; one dose for German measles; and one dose for mumps. Proof of a negative tuberculin skin test within the last two years is also required for individuals considered at

high risk for tuberculosis. High-risk groups as defined by the Centers for Disease Control include foreign born individuals from countries with a high prevalence of TB, people with a compromised immune system, and those who have had close contacts with infectious TB cases.

People born before 1957 are considered immune to measles and mumps, and will automatically be considered exempt from this requirement. Other special exemptions will be allowed by the University Health Services Director upon review of an individual's request, based on religious beliefs or medical reasons.

"University Health Services has for the past several years practiced an aggressive though voluntary approach to promoting student immunization. However, we now feel this approach is not sufficient because it leaves the student population and the University vulnerable to an experience similar to that which occurred at Rutgers," Dr. Spear said.

A recent survey shows that out of 86 colleges and universities, 55 percent had some type of PIR in place. Among other Big Ten universities, six currently have a PIR. Four have strong sanctions - typically a hold on registration - for students not in compliance. Currently, 18 states have also established college pre-matriculation

immunization requirements. Presently though, there is no requirement in Pennsylvania for college or university students to be properly immunized.

"Last year, the Pennsylvania Department of Health conducted a survey of immunization practices at Pennsylvania colleges and universities and made a strong recommendation that mandatory immunization policies should be adopted. Penn State has decided to redouble its preventative health measures in this area," Dr. Spear said.

New incoming students will be notified of the new requirements by mail. Once the initial program has been launched, the University will continue to expand the requirement throughout the remainder of the Commonwealth Campuses by fall 1996.

University Health Services also plans to actively encourage current students, faculty and staff to voluntarily update their immunization status.

Immunizations may be administered by a family doctor. If the student chooses to have the vaccines administered upon arriving at Penn State, the proposed cost for this service will be \$41. Additional information can be obtained by calling University Health Services at (814) 865-6355.

## Obituaries

Russell Marker, professor emeritus of chemistry whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door for the development of the birth control pill, died March 3 at the Phoebe Barker Health Center in Wernersville, Pa., at the age of 92, from complications resulting from a hip fracture.

Professor Marker, also a cofounder of the Syntex Corporation, has a career as profound an impact on the course of human events as anyone now alive," according to Thomas Warkit, dean emeritus of the Eberly College of Science, where Dr. Marker's work leading to the large-scale preparation of progesterone was accomplished in the late 1930s and early 1940s.

Professor Marker performed the basic research showing progesterone could be made from diosgenin, a substance occurring only in tiny quantities in plants found in the United States. Searching for a richer source of the substance, he went alone into the Mexican jungle where he found and brought back a Mexican yam plant rich in diosgenin. Having failed in his efforts to interest U.S. companies in the production of progesterone, he returned to Mexico where, along with a physician and a businessman who lived in Mexico City, he founded the Syntex Corp., now one of the world's largest pharmaceutical firms.

He was born on a small farm near Hagerstown, Md. and earned a bachelor's and master's degree in chemistry from the University of Maryland. Deciding he had no need for a doctorate, he went on to become one of the rare scientists who achieve rank and stature without the Ph.D. In 1990 the University of Maryland awarded him an honorary doctor of science degree.

His first job was with the Ethyl Corporation, where he was responsible for inventing the octane-rising system for gasoline, now in use at every U.S. gas station. From there he moved to the Rockefeller

Institute, where he developed an analytical procedure known as optical rotatory dispersion, that has been important in investigations of molecular structure.

In 1934 he accepted a faculty position at Penn State, where he quickly rose to the rank of professor. It was here he discovered the reaction known as the "Marker degradation," now an important step in the commercial production of all steroidal hormones, including progesterone, cortisone and the birth-control pill. Having published 160 scientific papers based on the work done at Penn State, he left for Mexico in 1944.

In 1984, the Marker Lecture Series was established at Penn State through a gift from Russell Marker. The endowment allows the Eberly College of Science to present six annual lecture series in his honor. In 1990, a Russell Marker Symposium in Steroid Chemistry was held in his honor in Berlin. At the Smithsonian Museum of American History in Washington, DC, he is featured prominently as the scientist whose pioneering studies spawned the now-ravast steroid hormone industry. Two annual lectureships in his honor have been established at the University of Maryland.

He is survived by two sons, Russell C., of Sinking Spring, Pa., and James K., of Ridgewood, N.J.; a sister, Alice, of Hagerstown, Pa., and four grandchildren.

Christina L. Rodgers, employment specialist at The Hershey Medical Center, from Jan. 6, 1975 until her retirement Nov. 1, 1985; died Feb. 12 at the age of 57.

Larue K. Thomas, extension agent, College of Agricultural Sciences; from May 28, 1956, until retirement Nov. 1, 1989; died Jan. 24 at the age of 63.

## Libraries offering seminars

The University Libraries is offering the following series of seminars in March to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power will also be presented.

In an effort to accommodate as many participants as possible, some sessions are offered more than once. To register or learn more about the seminars, contact Joyce Adams at 863-6355 or by electronic mail at jca@psu.edu. Seating is limited so register early.

■ Penn State Libraries Catalog in LIAS Offers an overview of the Penn State Libraries Catalog in LIAS and hands-on practice in applying LIAS searching techniques. April 12: 9-11 a.m.; March 16, March 27: 11 a.m.-1 p.m. Tower Room 402, Central Pattee Library.

■ Census Data Teaches techniques for accessing a variety of sources of census data, including CD-ROM and Internet sources, and using these data with maximum effectiveness. March 22: 3-5 p.m., Room 6, Central Pattee Library.

■ Citation Indexes Teaches techniques for searching Science Citation Index, Social Sciences Citation Index, and Arts and Humanities Citation Index. March 13: 9-11 a.m., Reference Lecture Room, East Pattee Library Education.

■ Education Features an overview of databases available for research in education. March 15: 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Engineering Features practice in accessing and searching databases and resources available for research in engineering. March 22: 6:30-8:30 p.m., Tower Room 402, Central Pattee Library.

■ Law/LEXIS Provides hands-on practice in accessing and searching the legal resources accessible through the LEXIS databases, available in the Documents section of Pattee Library. March 14: noon-2 p.m., Reference Lecture Room, East Pattee Library.

## BOOK SHELF

In the book, *STEPFAMILIES: Who Benefits? Who Does Not?*, co-editors Alan Booth, professor of sociology in the College of the Liberal Arts, and Judy Dunn, distinguished professor of human development in the College of Health and Human Development, have compiled information dealing with one of the fastest growing family types.

Published by Lawrence Erlbaum Associates, Hillsdale, N.J., the book is the result of a national symposium on stepfamilies held at Penn State in October 1993. The symposium brought together experts from around the country to focus on questions related to stepfamilies, such as how stepfamilies function as child-rearing organizations, why marriages that create stepfamilies occur, fail or succeed, and what research or policies are needed to deal with this growing segment of the population.

The volume consists of the lead papers, discussion papers, and overview chapters by the organizers of the two-day symposium. The book is intended to provide readers with current information on the topic and to provoke new ways of thinking about stepfamilies.

College and university capital campaigns — which came under sharp criticism in the early 1990s — are making a comeback and will be here to stay, says the University's chief fund-raising and advancement officer and author of a new book on the subject.

G. David Gearhart, senior vice president for development and university relations, is author of *The Capital Campaign in Higher Education: A Practical Guide for College and University Advancement*, published by the National Association of College and University Business Offices in Washington, D.C. The book is a "how-to" guide for planning and implementing major gift campaigns.

A few years ago, a vein of criticism in the college and university fund-raising community was opened against capital campaigns — intensive fund-raising drives to attract a large sum of private gifts from alumni, friends, corporations and foundations in a relatively short time. The funds typically are used to create scholarships for students, recruit and retain top faculty, support various education and research programs, help construct or repair buildings and facilities, fund equipment, and support other institutional priorities.

Currently, about 300 colleges and universities — about 10 percent of the total number of 3,300 institutions nationwide — are in the midst of capital campaigns, Dr. Gearhart said. He expects that number to quadruple to 1,200 by the year 2000.

Donna S. Queeney, director of research and external relations for Continuing and Distance Education and affiliate assistant professor of education, is the author of *Assessing Needs in Continuing Education*, published by Jossey-Bass Publishers, San Francisco. The book is part of the *Higher and Adult Education Series*.

The book is designed to help employers, professional associations and others involved in developing, designing and deliv-

ering educational programs to adult learners, as well as those who guide education and training planning for employee groups, to assess the education needs of their clients.

The goal of the book is to assist continuing educators in making education more practice-oriented for learners, so that learners can improve their daily practice and become more knowledgeable and productive employees.

C.R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, is author with D.N. Shanbhag, professor at the University of Sheffield in England, of a book published by John Wiley & Sons, titled *Choquet-Deny Type Functional Equations with Applications to Stochastic Models*.

The book introduces a new functional equation, the Integrated Cauchy Functional Equation (ICFE), the solution of which provides a unified approach to a variety of problems in the study of stochastic processes. It also introduces new probability tools and techniques for research workers in probability and statistics, and for those working in areas such as biology, medicine and engineering.

William L. Petersen, associate professor of religious studies, is the author of *Tatiani's Diatesaron: Its Creation, Dissemination, Significance, and History in Scholarship* (Leiden: Brill, 1994). The 555-page book is the first comprehensive study in more than a century of one of the most influential, widely-disseminated, documents of ancient Christianity, the *Diatesaron*.

Composed c. 172 CE, the *Diatesaron* is a harmony of the gospels. Its importance derives not only from the fact that where its text can be reconstructed, it antedates the oldest manuscripts of the gospels by almost two centuries, but also because its composer incorporated ancient traditions which are missing from later manuscripts of the gospels.

Hugely popular in early Christianity, the *Diatesaron* saw broader dissemination than any other document.

Dr. Petersen's study describes the more than 160 surviving witnesses to the *Diatesaron*, and traces the impact the discovery of these witnesses had on Diatessaronic scholarship. The volume contains the first bibliography of research on the *Diatesaron*, more than 600 titles, and the first "catalogue of manuscripts of Diatessaronic witnesses and related works."

Adam J. Sorkin, professor of English at the Penn State Delaware County Campus, is the author of *Transylvanian Voices: An Anthology of Contemporary Poets from Cluj-Napoca*.

The 112-page book, which Dr. Sorkin worked on last summer in Romania with support from Research Development and Global Funds grants, contains 80 poems by 16 poets. It was published in Iasi, Romania, by the Romanian Cultural Foundation, appearing as Volume IV in the Romanian Civilization Studies series.

The writers include 10 Romanian-language poets, Horia Badescu, Mariana Bojan, Dan Damascu, Vasile Igna, Virgil Mihailu, Ion Muntesan, Maria Petrus, Ion Pop, Adrian Popescu, Aurel Raut, the German-language poet Franz Hodjak and five Hungarian-language poets, Emese Egyed, Laszlo Kiraly, Aladar Laszloffy, Geza Szocs, and Andras Visky.

Dr. Sorkin also provided a brief introduction to the book. His co-translator and co-editor of the volume is Liviu Bleoca, a novelist, essayist, and translator who works as a librarian for the Romanian Academy in Cluj.

## PRIVATE GIVING

### Theatre arts receives estate endowment

The College of Arts and Architecture Department of Theatre Arts has received a \$408,000 endowment from the estate of Mabel Reed Knight of Ridley Park, Pa. Mrs. Knight, a 1928 liberal arts graduate, created the endowment to honor one of her professors and a cofounder of Penn State's theatre program, the late Arthur C. Cloething.

This endowment is the largest for scholarships in the history of the College of Arts and Architecture, and brings the total endowment of the college to \$3.2 million. Endowed funds are invested to generate annual income used to support programs according to the donor's designation.

Mrs. Knight, who played the role of Josephine Paris in the March 1928 Penn State Players' production of *The Valiant*, maintained her interest in theatre through her active involvement in the Ridley Park Barnstormers. Her generous endowment will be used for scholarship support to benefit students enrolled in the Department of Theatre Arts' programs.

Considered one of the best in the nation, Penn State's tradition of theatre in an academic setting began in 1920 with the chartering of the Penn State Players. Students from all disciplines at Penn State comprised the Players. With the addition of Arthur Cloething to the English faculty, the theatre program began to develop a unified policy to train teachers of dramatics along with actors and technicians.

While at Penn State, Mrs. Knight was a member of the Penn State Players, Theta Alpha I, the S Club, and Kappa Kappa Gamma. She also was the captain of both the women's tennis and basketball teams. She died in October 1993.

## 25-year Awards



Celebrating 25 years of service at the Penn State DuBois Campus are, from left, Susanne Delaney, instructor in English; Charles Gunderman, assistant professor of exercise and sport science; John A. Vargas Jr., acting campus executive officer; and Janet L. Yates, assistant director of student affairs; Alexis A. Brolin, electrician with the Facilities Office, Applied Research Laboratory, and Susan Rinehart, administrative assistant I, Department of Marketing, The Smoot College of Business Administration. Not shown, but celebrating 25 years, is June H. Adams, a staff assistant in the Medicine Specialists Outpatient Practice Site at The Hershey Medical Center.



## Partings

# Number of ARL employees retire

Vernon L. Eminhizer, toolmaker in Operations, Applied Research Laboratory, has retired after 27 years service.



Vernon L. Eminhizer

He received his associate degree in machining from Williamsport Community College. As a machinist, he has worked for numerous private companies: Microtol Engineering Corp. in State College, Par Sonic, Inc., of Centre Hall, Nuclide in State College, and Westinghouse in Baltimore.

He joined the University staff in the College of Engineering, where he worked for twenty years. He joined ARL in 1988 as experimental propeller fabricator B in Operations and was eventually promoted to toolmaker. He and his wife Shirley have one son. In his retirement, he would like to travel.

Gene B. Ertel, a research assistant in the Applied Research Laboratory's Washington, D.C., office has retired after 26 years service.

He began working at the laboratory in 1968, having previously worked for such companies as GT&E, HRB, and Cerro Copper and Brass. He spent the last ten years at ARL's Washington, D.C., office overseeing contracts and finance issues, and served as a liaison with various government agencies and contacts associated with the Navy.

A native of Montoursville, Pa., Mr. Ertel attended Syracuse University, Lycoming College, and graduated from Penn State with a bachelor's degree in business and a master's degree in management.

He and his wife Betty have one daughter and two grandchildren. Since his retirement, he has been overseeing the construction of their new home in Pisgah Forest, which overlooks the Linville River near Asheville, N.C.

Joseph E. Gilbert, model mechanic for the Water Tunnel, Applied Research Laboratory, has retired after 28 years service.



Joseph E. Gilbert

In 1966 he became a guard for the laboratory and was promoted to electronic technician for construction and later to acoustics technician B for testing and construction. He was tunnel operator and assistant model mechanic before his promotion to model mechanic.

A graduate of Penns Valley High School, he has volunteered as a firefighter for Miles Township. Mr. Gilbert and his wife, Bernadine, have two sons. His plans after retirement include traveling.

Jacqueline D. Hunt, an electronic technician in the Systems Engineering Department, Applied Research Laboratory, has retired after 46 years service.



Jacqueline D. Hunt

In 1948 she joined ARL, where she received electronic technician training. She was responsible for building boards, checking equipment, and working on a variety of projects that were tested in many parts of the world by ARL personnel.

At times, she remembers, she was the only woman work-

ing with the other technicians, a distinction she enjoyed.

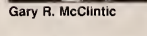
Gary R. McClintic, head of Water Tunnel Operations, Applied Research Laboratory, has retired after 29 years service.

He began working for the laboratory in 1968 as a machinist B. He was promoted to machinist A, then to experimental propeller fabricator, and then to supervisor of the water tunnel machine shop.

Prior to securing his current position as head of Water Tunnel Operations, he was supervisor of shops.

ARL has recognized Mr. McClintic for his achievements. He received the Outstanding Performance Award in 1987, and a letter of commendation in 1989.

In his retirement, he plans to spend more time at his camp in the foothills of the Allegheny Mountains, fishing, hunting, and hiking. He and his wife, Jessica, presently are building a new house in Boalsburg, and between them they have four sons.



Gary R. McClintic

Edwin N. McGarvey, technical illustrator with the Publications and Communications Office, Applied Research Laboratory, has retired after 28 years service.

He received an associate degree in technical illustration from Williamsport Technical Institute. He began working at the Laboratory in 1966 as a junior draftsman and was promoted to technical illustrator. He was responsible for creating technical drawings, paste-ups, and Vu-Graphs used in technical reports and presentations for such projects as the Mark-48 torpedo.

Mr. McGarvey received an Outstanding Performance Award in 1986 and a Letter of Commendation in 1991, respectively. He and his wife, Phyl, have two daughters and three grandchildren. He plans to spend his retirement reading, walking, traveling, and performing volunteer work in the area.

Janet V. Rockey, administrative assistant to the director of the Applied Research Laboratory, has retired after 40 years service. She has served as secretary for the Director's Office for the past 20 years. She began working as assistant travel and mail clerk at ARL in 1955 and was later promoted to travel clerk. She worked as the secretary to the laboratory's business manager then later became the technical secretary for the Acoustics Division.

In 1985, Ms. Rockey was given a special recognition for her outstanding contribution to the coordination of the ARL 40th anniversary activities. She also was honored at a recognition luncheon hosted by the senior vice president for research and dean of the Graduate School in 1989.

She and her husband, Mel, enjoy skiing trips. After her retirement, Ms. Rockey, a native of State College, plans to resume golfing and spending more time at her camp on Tussey Mountain.



Janet V. Rockey

## Administrative assistant ends 30-year career

Anna Britten, administrative assistant to the associate dean for undergraduate studies in the College of the Liberal Arts, has retired after 30 years service.

A native of Munzinghof, Germany, Ms. Britten began her career at Penn State in 1963 as secretary to the director of the Language Laboratories in the college. In 1964, she joined the Department of German as head secretary, and in 1969, after a brief hiatus for the birth of her son, Carl, began working in the office of the Associate Dean for Undergraduate Studies. During her tenure there, Ms. Britten was responsible for budget control, supervision of personnel, coordination of work flow and college commencement ceremonies, course offerings, Freshman Seminar Program, and the unit's hiring processes.

In her retirement, Ms. Britten is eager to share in the richness of learning opportunities in the classroom through travel, and in casual conversation and exchanges of thoughts and ideas. She plans to spend more time with her husband, Wayne, her family and old and new friends.



Anna Britten

## Retirement listings

Mary E. Nable, guest room attendant, Nittany Lion Inn, from April 19, 1981, until Jan. 28.

Stiles W. Mader, electrician A, Penn State Harrisburg, from Dec. 18, 1978, to Feb. 23.

William H. Meyer, assistant manager, Administrative Support Services, Business Services, from Sept. 20, 1982, until Feb. 1.

Linnea L. Slaybaugh, staff assistant IV, Office of Student Affairs, from June 9, 1975, to May 20, 1980 and from Jan. 5, 1981, to Feb. 1.

## Faculty/Staff Alerts

### Award nominations sought

The Center for Adult Learner Services at the University Park Campus is receiving nominations for the Outstanding Member Award.

The Penn State Outstanding Mentor Award was established by Alpha Sigma Lambda, Adult Learners of Penn State, Graduate Student Association, the University Veterans Organization, and Student Parents Organization of Penn State. The award's purpose is to recognize exemplary faculty and/or staff members who demonstrate support for adult learners. The award will be presented at the Outstanding Adult Student Award reception on April 18.

Current faculty and staff members at any location are eligible for the award. The selection committee will evaluate the nominee based on his/her impact on adult learners through personal assistance, advocacy and personal qualities.

Nomination forms are available from the Center for Adult Learner Services, 323 Boucke, or by phone at 863-3887. Nominations will be accepted from students, administrators, staff or faculty members until March 20. Nominations should be sent to: The Penn State Outstanding Member Award, Center for Adult Learner Services, 323 Boucke Building, University Park, Pa. 16802.

### Intercom information

All submissions for *Intercom* of more than three paragraphs in length should be sent via E-mail to KLN1@psu.edu or on disk to 312 Old Main. Due to the increasing amount of copy being submitted, *Intercom* is limiting the number of hard copy submissions it accepts. If submitting by disk, please write the name and address of disk owner on the disk, so it can be returned.

The *Intercom* will not be published March 30 as previously scheduled because of budget considerations.

### Records management

If you're not sure what to do with your inactive office files—keep them or throw them out—the University's Records Management Program has the answer.

The program, governed by University Policy AD-35, provides uniform, effective and systematic control over the creation, maintenance, retention, disposition and preservation of the University's records.

"Records management is primarily concerned with those records that are current or inactive that have legal, fiscal, administrative, research or historical value," Jackie Esposito, assistant University archivist for records management, said.

Under the program, confidential records are identified and their disposition clearly specified. If records are judged to be archival, they are transferred to the University Archives in C107 Pattee Library at University Park.

Retention schedules with specific time periods for keeping records within the office environment are included in the *General Forms Usage Guide* under Appendices 18 (General Records) and 21 (Financial Records).

According to Ms. Esposito, the Records Management Program encompasses:

- Retention and disposition schedule development;
- records surveys and inventories; vital records management; identification and transfer of archival records; files management system design and development; faculty and staff files and records management training; reformulating record recommendations; and electronic records management recommendations.

In recognition of National Records Management Day scheduled for April 5, Ms. Esposito said, "We are offering a number of seminars to provide an overview

of University policy in this area, outline what our program can offer, and provide guidelines for proper handling of University records."

The one-hour orientation seminars, to be held in C6 Pattee Library at University Park, will be offered:

- Monday, April 3: 10-11 a.m. and 3-4 p.m.; Tuesday, April 4: noon-1 p.m. and 4-5 p.m.; Wednesday, April 5: 1-2 p.m. and Friday, April 7: 10-11 a.m. and 3-4 p.m.

There is no pre-registration. For additional information, call Ms. Esposito at 865-7931.

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the *HRDC Course Catalog*. For more information about these courses, consult the catalog.

- The Americans With Disabilities Act (ADA) (DIV 002)
- Introduction to Lotus Windows 4.0 (IBM 009)
- Planning and Conducting Productive Meetings (PRO 016)
- Resume Preparation (CAR 002)
- Security Tips for Office Personnel (WEL 016)
- Self-Esteem: Building Your Confidence (FER 001)
- Understanding and Valuing Diversity (DIV 008)
- The Art of Rewarding and Recognizing Performance in the Workplace (LDR 021)

### Employment of minors

Supervisors are reminded that the Pennsylvania Child Labor Law requires that an employment certificate (sometimes referred to as "working papers") be obtained before any minor begins working for the University. A minor is anyone under age 18 who has not been graduated from high school, or who has not been released by a high school as having attained maximum academic potential in lieu of graduation. The minimum age for University employment is 16.

The employment certificate, issued by the minor's high school, is kept on file by the Employment Division, or appropriate business or human resources office at facilities away from University Park. When a minor ends employment, the Employment Division or appropriate office must be notified so the certificate can be returned to the issuing high school or to the minor, as appropriate.

Supervisors are asked to review University Policy HR-2, Employment of Minor, before committing employment to a minor.

### New Advisory Board formed for Bookstore

Business Services has formed an Advisory Board to provide recommendations to the Penn State Bookstore System. Members include: Archie K. Loss, professor of English at Penn State Erie, The Behrend College and chair of the Senate Committee on Faculty Affairs; Robert G. Melton, associate professor of aerospace engineering and chair of the Senate Committee on Undergraduate Education; Pennie Maclean, assistant director of budget and finance, Continuing and Distance Education; Bud Thalman, associate athletic director for communications, intercollegiate athletics, and Mark Sosnowsky, Undergraduate Student Government. Betty J. Roberts, assistant vice president for Business Services, and Tom Bauer, bookstore manager, will be co-chairs.

The board will meet semi-annually to review surveys and comment cards, and to provide recommendations regarding service, hours of operation, availability of textbooks and required supplies. Feedback from the Advisory Board will be shared with the Barnes and Noble regional manager and district managers.

### Distance education discussion

Part two of a nationwide discussion about information technology, sponsored by Continuing and Distance Education Information Systems, will be held from 1:30-3 p.m. Thursday, March 23, via satellite in Studio D, Mitchell Building.

"Distributed Learning Environments: An Integrating Model for Distance Education," presented by the Institute for Academic Technology, will help viewers examine the distributed learning environments model for distance education. Kathryn Conway, from the University of North Carolina at Chapel Hill, Robert Dunham, from Penn State, and Linda Harasim, from Simon Fraser University, will explore how this learner-based approach integrates a number of different technologies to enable interaction opportunities.

The final seminar in this series, "Higher Education/K-12 Connection: Using Technology to Assist Public Schools," will be held April 27.

### Chain letters

March is generally the month when chain letters begin appearing in employee mailboxes, according to Frank Sindlar, manager of Mailing and Addressing Services for the University. Employees are reminded that the microfiche mail is to be used for University business only.

Employees who may have received a chain letter recently asking them to submit their business cards to help a child earn a place in the *Guinness World Book of Records* should ignore the solicitation, which is not legitimate. The "Make-a-Wish Foundation," which is mentioned in the letter, is not associated with the solicitation and has set up an 800 number to handle the volume of calls it has received related to the chain letter, currently circulating the country. The address where business cards are being sent is reportedly a recycling center. For more information about the solicitation, call 1-800-722-9474.

### Career day

The fifth annual Pennsylvania Career Day, "Careers in the Commonwealth," will be held Thursday, April 6, in the Intramural Building at the intersection of University Drive and Curtin Road. Admission and parking are free to employees, students and alumni.

Expected to attract more than 2,000 students and alumni from Pennsylvania colleges and universities, Career Day encompasses all academic disciplines and career fields. More than 100 employers are expected to participate in the event, including large and small businesses, human service agencies, government agencies, health care institutions and not-for-profit agencies.

The Pennsylvania Hospital Association, the Pennsylvania Chamber of Business and Industry, and the Pennsylvania Manufacturers Association are co-sponsors of the event. Anyone interested in obtaining additional information should contact Karen Eriksen at Penn State's Career Development and Placement Services (814) 865-2377.

### Penn State Day in Harrisburg

The Penn State Downtown Center will bring the University and its activities directly to the Harrisburg community on April 21.

A highlight of the celebration will be a "Penn State College Fair" in Strawberry Square from 10:30 a.m. to 1:30 p.m. Representatives from colleges at University Park, Penn State Harrisburg and Penn State Erie, The Behrend College will be present. Representatives from Penn State's York, Mont Alto, Hazleton, Berks and Schuylkill campuses will also be on hand. Financial aid and admission information will be available.

The activities are free to the public. For more information and to register, contact the Downtown Center at (717) 772-3590.



## Softening the Whine of a Vacuum Cleaner

*Researchers in ARL are working to make that annoying little noise more tolerable*

**W**hining vacuum cleaners, whirring computer fans and rumbling cars don't exactly create noise pollution but, wow, are they annoying.

Manufacturers who want their products to sound better are getting help from Penn State's Graduate Program in Acoustics and the Applied Research Laboratory, one of four U.S. Navy-funded university research facilities.

Gerald Lauchle, professor of acoustics with a joint appointment at ARL, usually works on silencing submarines or increasing the ability of hydrophones to pick up enemy sub sounds. Recently, using the same technology, he and research assistant Tim Brungart got the whine out of a vacuum cleaner for a nationally known manufacturer.

"Most consumers would not buy a vacuum that doesn't make any noise because the user associates noise with power," Dr. Lauchle said.

His goal was to shift the sound, which is made primarily by the vacuum cleaner's fan, to a less annoying frequency while maintaining the full power of the cleaner.

"When we make changes that affect the acoustics, we make sure that they don't degrade performance," he said.

Dr. Lauchle, an expert on flow noise, changed the cleaner's sound by redesigning its fan. Now, instead of one dominant whine, the fan produces many tones spread out over a broader range that create a "rushing" sound, he explained.

The changes suggested by Dr. Lauchle are being put into production by the manufacturer. He expects to re-engineer the sound quality of several other cleaners in the company's product line by the end of the year.

In addition, Dr. Lauchle has a grant from IBM, through the Shared University Research Program, to quiet the cooling fans in their PCs. He expects to accomplish this goal by canceling the sound wave of the offending tone by creating another sound wave exactly 180 degrees out of phase with it. The sum of the two sound waves will be zero — which equates to no noise.

Through a grant from Ford Motor Company, Dr. Lauchle and Mr. Brungart will, over the next three years, identify the source of a "rumbling" sound that comes from air moving under a car in motion. "This research may lead to solutions for eliminating such noises," Dr. Lauchle said.

He added, "As few as five years ago, people were not concerned about sound quality, only sound level." That's not true anymore, he added. Manufacturers have to make sure their product meets consumer expectations in sound quality, as well as performance.

In each of the projects, Dr. Lauchle leads a group of graduate students from the acoustics program who learn the principles of sound-quality

engineering while improving each specific product. The program is the largest graduate degree program in acoustics in the world.

"Training students is our primary means of technology transfer," he said. "They get hired immediately by industry and put to practice what they've learned in these projects."

Thanks to the Navy's "dual use" policy, ARL equipment and facilities developed for undersea warfare projects are also available for other applications. ARL's anechoic or echo-less chamber, one of the quietest places in the United States, is frequently used for these projects.

"We have a broader mission from the Navy to transfer technology to industry. Indeed, our technologies and expertise have already been accessed by companies that manufacture everything from candy to diesel engine," Andrew Vavreck, head of ARL's technology transfer office, said.

— Barbara Hale

**Thanks to the Navy's "dual use" policy, ARL equipment and facilities developed for undersea warfare projects are also available for other applications. ARL's anechoic or echo-less chamber, one of the quietest places in the United States, is frequently used for these projects.**



Research assistant Tim Brungart and Gerald Lauchle, professor of acoustics, point out areas where their redesign of a vacuum cleaner helped lighten the noise level.

Photo: Steve Tressler

## Awards

### Professor of political science honored with Humboldt award

Edward Keynes, professor of political science, has received a senior Alexander von Humboldt award for 1994-95, and is serving as Visiting Humboldt Professor at the University of Kiel. During his sabbatical year he has completed a new book, *The Promise of Liberty*, which will be published early in 1996.

In November and December Dr. Keynes gave a lecture series under the auspices of the U.S. Department of State and the United States Information Service that took him to France, throughout Germany, Lithuania, Norway, Bulgaria, Slovakia, and the Czech Republic. He has been invited to address the Nordic American Studies Association in Oslo this coming summer.

He also has received a senior Fulbright Award from the Japanese-United States Educational Commission, and, during the 1995-96 academic year, will be visiting professor at the University of Hiroshima, Japan.

Dr. Keynes, an authority on U.S. Constitutional law, has authored, co-authored, and edited ten books, and has contributed to professional journals and encyclopedias in law and political science.



**Big Ten talk**

President Thomas (right) talks with Lori Pennay, vice president of the Undergraduate Student Government at the University, and Mike King, president, during a Big Ten Student Government luncheon held recently at the University Park Campus.

Photo: Greg Grieco

## PENNTAP receives federal funding for five projects

PENNTAP (Pennsylvania Technical Assistance Program), Penn State's industrial extension program established in 1965, is a participant in five projects funded under the federal Technology Reinvestment Program (TRP).

"Although we are not the prime contractor on these projects, we are a subcontractor and are receiving funds to expand our capacity to help Pennsylvania's small and medium size companies," Jack Gido, PENNTAP director, said. "All five proposals in which we participated won in the national competition for TRP funds." The five projects are:

- Funding from the Manufacturing Extension Partnership of North/East Pennsylvania for a PENNTAP environmental technical specialist located at the Manufacturers Resource Center in Bethlehem to assist manufacturers with environmental questions and problems. Sharath Annangandla has been hired for this position.

- Funding from the Plastics Technology Deploy-

ment Center at Penn State Erie, the Behrend College for a PENNTAP plastics technical specialist located at the Behrend Campus to assist plastics related companies in northwestern Pennsylvania. Larry Patch has joined PENNTAP in this position.

- Funding from the Southeastern Pennsylvania Manufacturing Extension Partnership for a computer technical specialist located at the Delaware Valley Industrial Resource Center in Philadelphia to assist manufacturers with computer related questions and problems.

- Funding from the NASA Mid-Atlantic Technology Applications Center to participate in a consortium with the Ben Franklin Technology Center of Southeastern Pennsylvania and the Delaware Valley Industrial Resource Center to help firms access and commercialize technologies from federal laboratories or developed with federal funds. This center will be located at the Philadelphia Naval Shipyard.

- Funding from the National Technology Transfer Center at Wheeling Jesuit College to develop a Train-The-Trainer program for instructors for a national industrial extension training program previously developed by PENNTAP under funding from NTTC. Support also will be provided to Rensselaer Polytechnic Institute for development of management and technology workshops in support of a national curriculum. This work will be supported by Babs Bengtson, a curriculum development specialist from the Applied Research Laboratory.

"These winning proposals capitalized on the complimentary strengths of PENNTAP and other partners to help strengthen the competitiveness of manufacturers," Mr. Gido said. "Serving Pennsylvania business and industry since 1965, PENNTAP remains a credible and valuable resource in helping companies overcome technical hurdles that impede their competitiveness."

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### PENNTAP INTERCOM

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Lisa M. Rosellini, editor  
Kathy L. Norris, staff assistant/calendar

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## Spanier named 16th president of University

Graham B. Spanier, 46, chancellor of the University of Nebraska-Lincoln since 1991, has been elected the sixteenth president of Penn State.

His appointment, approved March 16 at a special meeting of the Board of Trustees, is effective Sept. 1. He succeeds President Thomas, who will retire on Aug. 31 after five years in the office.

Dr. Spanier earned his B.S. and M.S. degrees at Iowa State University and received his doctorate from Northwestern University, where he was a Woodrow Wilson Fellow and a National Institute of Mental Health Doctoral Fellow.

He began his academic career at Penn State in 1973 as an assistant professor of human development and soci-

State into the next century. We are just delighted that we persuaded him to dedicate his talents to our University."

"For me, this is a dream come true," Dr. Spanier said. "My wife Sandy and I have a special affection and admiration for Penn State and Pennsylvania. The land-grant tradition at Penn State is strong and attractive to us. The opportunity to lead Penn State honors me more than I can say."

During his tenure at Nebraska, Dr. Spanier instituted an ambitious agenda that promoted excellence in teaching, growing national competitiveness in research and scholarship, and distinction in the delivery of service programs associated with the University of Nebraska's land-grant mission.

He has been recognized for promoting a campus climate of tolerance and diversity, restructuring general education, expanding distance education, and preparing the University's campuses for information technology in the 21st century. He has promoted shared governance at Nebraska and has developed new management practices in the areas of long-range planning, budgeting, program review, management of indirect costs, and quality improvement. His leadership has extended to the development of comprehensive facility planning, enhancing the campus landscape, improving student services through information technology and customer service, and private fund raising.

Prior to accepting the leadership responsibility for the University of Nebraska-Lincoln, Dr. Spanier served as provost and vice president for academic affairs at Oregon State University. He also has served as vice provost for undergraduate studies at the State University of New York at Stony Brook and as associate dean for resident instruction in the then College of Human Development at Penn State.



Graham Spanier, new University president.

Photo: Greg Grieco

**"For me, this is a dream come true. My Sandy and I have a special affection and admiration for Penn State and Pennsylvania."**

Graham Spanier  
Sixteenth president of Penn State

ology. He worked his way quickly through the ranks at Penn State, beginning his move into academic administration in 1977.

"We are extraordinarily enthusiastic about our selection," William A. Schreyer, chairman of the board, said. "Graham Spanier is regarded as an imaginative and effective leader in higher education. He has the integrity, the energy, and the vision to lead Penn

See "Spanier" on page 15

# Inside

### CQI: Quality Expo

SHARE ▼ LEARN ▼ CELEBRATE

Set for Thursday, April 6, at the Nittany Lion Inn, the Quality Expo will provide Penn State's the opportunity to learn about CQI activities and programs.

For more information or to register, contact the CQI office. For more information on CQI, see page 4.



### Special Awards Section

Recognition for achievements will be given at 2 p.m. Sunday, April 2, at the Academic Awards Convocation. For an advance on who's receiving an award, see pages 17-23.

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## DIVERSITY

School of Communications  
offering diversity seminars

The School of Communications is sponsoring a series of seminars on "Diversity and Effective Communications" for 100 faculty, administrators, students and staff on March 30 and March 31. It will be led by Al Fitzpatrick, former assistant vice president of minority affairs at the Knight-Ridder Co. in Miami.

The seminar, which is proactive and interactive, offers an opportunity to look at differences between people, attitudes toward those differences, the impact of biases, and how we can become change agents in Penn State's cultural climate.

Mr. Fitzpatrick, who recently retired from Knight-Ridder, is now adjunct professor of communications at Kent State University in Ohio. Before his retirement, he was responsible for the recruitment and development of minorities and women throughout Knight-Ridder, which owns more than a dozen newspapers across the country. He conducted sensitivity seminars which involved minority staffers, their supervisors and top executives.

Before joining Knight-Ridder at its Miami headquarters, Mr. Fitzpatrick worked 29 years at the *Akron Beacon Journal* in Ohio. He held several newspaper positions at the *Beacon Journal*, the highest being executive editor, and directed the Pulitzer Prize-winning coverage of the Kent State riot in 1970.

He is founding chair of the National Association of Minority Media Executives, and on the board of directors of the American Society of Newspaper Editors.

Diversity strategic planning  
process reaching final stages

For the past 20 years, Penn State has made progress toward creating a more diverse and inclusive University community. Recent efforts have been aided by the establishment of three advisory groups: the Commission for Women, the Commission on Racial/Ethnic Diversity and the Vice Provost for Educational Equity's Committee on Lesbian, Gay and Bisexual Equity. These groups advise the President on the extent to which their initiatives contribute to environment for diversity.

In 1990 the University established a planning goal designed to position Penn State for the new challenges of the next century. James B. Stewart, vice provost for educational equity, told the Board of Trustees, "the goal is to create in this diverse University community, a supportive environment reflecting the broad range of human history and experience." The Office of the Vice Provost for Educational Equity has overall coordinating responsibility for diversity initiatives.

In fall 1993, Executive Vice President and Provost John A. Brighton announced that a separate diversity strategic planning process would begin in 1993-94 academic year. He stated that the new strategic planning for diversity process "reflects our recognition of the need for a special initiative to improve the outcomes of our efforts to enhance institutional diversity. . . . In Penn State is to indeed be one of the nation's preeminent public universities, we must assign a greater priority to the attainment of a diverse faculty, staff and student body."

Preliminary plans that were reviewed have been reviewed in separate hearings, and final plans have been submitted. Almost all units have active diversity committees and have begun some promising initiatives. Some like the University Libraries are bringing in external consultants.

"Next we will complete the review of final plans and provide direct feedback to units," Dr. Stewart said. Diversity Plan updates in future years will be integrated into the ongoing University planning and budget review process.

## Minority graduate enrollment on the rise

The number of underrepresented minority students enrolled in graduate study at Penn State has increased significantly over the past eight years, according to the director of the Center for Minority Graduate Opportunities and Faculty Development.

The center has been tracking trends in enrollment since 1987, and found that the number of minority graduate students at the University Park Campus has increased by 126 students, from 274 in 1987 to 384 this year, Catherine Lyons said in a report to the Board of Trustees.

African American graduate student enrollment increased from 146 to 226 during this period and Hispanic/Latino American enrollment rose from 94 to 129. Only Native American enrollment decreased, from 32 to 29.

While most of the minority graduate students are Pennsylvania residents, 39 are from out of state, including a good representation from surrounding states and some from Puerto Rico and the U.S. Virgin Islands. The number of students from southern states is increasing as a result of partnerships with institutions such as Clark Atlanta University, Florida A&M, Virginia State University, and the C&C Alliance Schools. As a result of targeted recruitment, enrollments from southwestern and western states are also increasing. More than half of all minority graduate students are women.

University-wide, about 34 percent of all graduate students are working on their doctoral degrees, while among minorities, 39 percent are enrolled in doctoral programs. Broken down by ethnicity or race, 60 percent of the Native American graduate students, 68 percent of the Hispanic/Latino and 42

Minority Graduate Enrollment at University Park



percent of the African American graduate students are in doctoral programs.

Fifty-two percent of African American graduate students are in master's degree programs, while 29 percent of the Hispanic/Latino and 32 percent of the Native American students are in such programs.

Graduation rates also have increased since 1987. "University-wide, underrepresented students received a total of 66 master's degrees in 1986-87 compared to 99 in 1993-1994, and 18 doctorates were awarded in 1986-87 compared to 23 in 1993-94," Dr. Lyons said.

"Our goal is to recruit and graduate more minority students to add to the University's global society of outstanding students and alumni."

## Commission for Women reports activity

The Commission for Women has embarked on a series of strategic actions aimed at enhancing the University environment, enhancing opportunities for equal representation, and building a more responsive workplace, the Board of Trustees has learned.

Regina M. Blood, the current chair, gave the annual report on the commission's activities to the Board.

"Our activity on a range of issues concerning gender equity has been guided by priorities identified during the commission's fall retreat and by recommendations developed from the previous year's commission reports," she said. "An array of initiatives also was taken based on two documents prepared in 1994: the strategic plan update on the Status of Women at Penn State known as 'A Vision for an Equitable University' and the 'Tenure Track Faculty Study.'"

On the issues of tenure for both women and men faculty, the commission has taken several steps such as disseminating the results and recommendations from the "Tenure Track Faculty Study" to the Faculty Affairs Committee of the Senate and to key administrators influential in the promotion and tenure process. In addition, a group of faculty commission members reviewed and endorsed several recommendations of the Joint Committee to Review Promotion and Tenure Procedures.

The Commission for Women and the Office of the Executive Vice President and Provost hosted an inaugural new faculty orientation program, which provides information on current University initiatives concerning faculty development, human resources, continuous quality improvement, graduate and undergraduate education, and faculty governance.

Finally, in an effort to assist faculty effectiveness and productivity, the Commission created two

\$1,000 grants to support research and other creative work by tenure track women. Dr. Blood said.

There are several standing committees: - Athletics, which is reviewing the Title IX self-study and working with Athletic Director Tim Curley to assess identified areas of improvement;

- Professional Development, which oversees the Administrative Fellow's application process and focuses on developing a mentoring program for faculty, staff and technical service women and a follow-up to last year's workshop for technical service women;

- Banquet, which is organizing the annual spring banquet and will present the first Rosemary Schnaer Mentoring Award;

- Issues and Policies, which addresses student concerns, child care, women technical service workers and women's health;

- Liaison, which has conducted a survey of women at the campuses and throughout Cooperative Extension to assess their needs and designed a workshop to precede the banquet to address those concerns; and

- Outreach, which promotes recognition of issues related to Penn State women and oversees the faculty research awards project.

"In addition, the Commission for Women is having an impact on a national level," Dr. Blood said. "Last June, Penn State hosted the fourth annual 'President's Conference on the New Agenda,' sponsored by the American Council for Education, Office for Women in Higher Education. Representatives from 20 major public and private research universities attended, and several commission members are on the planning committee for this year's conference to be held at the University of California."



# Four at University named Sloan Research Fellows

The Alfred P. Sloan Foundation has awarded 1995 Sloan Research Fellowships to four University faculty members: Curt Cutler, assistant professor of physics; Victor Nistor, assistant professor of mathematics; Jorge Pullin, assistant professor of physics, and Paul S. Weiss, assistant professor of chemistry. They are among 100 in the United States and Canada to receive the award this year. The foundation awards research fellowships to faculty in the United States and Canada who are in the early stages of their research careers and who have exceptional promise to contribute to the advancement of knowledge in physics, chemistry, computer science, mathematics, neuroscience, or economics.

Begun in 1955, the Sloan Research Fellowship Program is one of the oldest fellowship programs in the nation. Sloan Fellows receive highly unrestricted grants of \$30,000 for a two-year period, with which they are free to pursue whatever lines of research inquiry are of most interest to them. According to the foundation, this flexibility often is of great value to young scientists who are at a pivotal stage in establishing independent research projects.

Dr. Cutler, a researcher in the Center for Gravitational Physics and Geometry, has research interests in general relativity and relativistic astrophysics and has become a leader in the field of theoretical gravitational wave research.

His research also involves what he calls more "conventional" astrophysics, in which he is calculating the properties of waves in the very thin, liquid "ocean" that covers the surface of neutron stars.

Dr. Cutler received a bachelor's degree in mathematics and physics from Yale University in 1983 and a doctorate in physics from the University of Chicago in 1989. He was a research associate in general relativity at the University of Pittsburgh from 1988 to 1990, a research associate in theoretical astrophysics at the California Institute of Technology from 1990 to 1993, and a research associate in theoretical astrophysics at Cornell University from 1993 to 1994, when he became a member of the Penn State faculty.

Dr. Nistor's research involves the application of analysis techniques such as cyclic cohomology, the main tool in noncommutative geometry, to research areas in geometry, physics, and the representation theory of groups.

He earned a master's degree in mathematics at the University of Bucharest, Romania, in 1986 and a doctoral degree in mathematics at the University of California at Berkeley in 1992. He was a researcher at the Mathematical Institute of the Romanian Academy (the former INCREST) from 1986 to 1991. In 1991 he became an assistant professor and the Benjamin Peirce Lecturer at Harvard University. He joined the Penn



Curt Cutler



Victor Nistor



Jorge Pullin



Paul S. Weiss

State faculty in 1993.

Dr. Nistor won first prize in the National Mathematical Contest (Olympiad-Romania) in 1973, 1977, 1978, 1979, and 1980, first prize in the International Mathematical Contest in 1978 and 1979, and first prize in the Balkan Mathematical Contest in 1982. The National Science Foundation honored him with its Young Investigator Award in 1994.

Dr. Pullin, a researcher in the Center for Gravitational Physics and Geometry, has made significant contributions to two very different fields of research: quantum gravity and gravitational wave astrophysics.

Among his contributions, he uncovered the previously unrecognized connection between knot theory and quantum gravity, which led to a new way of connecting quantum gravity, topological field theories, and knot theory. These findings were instrumental in the development of the quantum representation for gravity and gauge fields known as the extended loop representation.

In his research on gravitational wave astrophysics, Dr. Pullin has developed and is attempting to extend a system of relatively simple computations, solvable with paper and pencil or a microcomputer, with which to predict efficiently how much gravitational radiation is produced by the collision or merger of two neutron stars or black holes. His analytical technique has advantages over conventional numerical methods, which typically require many hours on a supercomputer.

Dr. Pullin studied electronic engineering at the University of Buenos Aires in Argentina before earning a master's degree in physics with distinction at the Institute Balseiro in Bariloche, Argentina in 1986. He received a doctoral degree in physics from the Institute Balseiro in 1988. He was an assistant professor in the Faculty of Mathematics, Astronomy, and Physics at the University of Cordoba in 1988, then a visiting research associate and later research associate at Syracuse University from 1989 to 1991. He was a Syracu

associate at the University of Utah from 1991 to 1993 before coming to Penn State in 1993.

In 1992 he received the Jack W. Keuffel award for outstanding research in physics from the University of Utah, and was listed in both *Who's Who in the East* and *Who's Who in the World*.

Dr. Weiss has established himself as an international leader in the fields of analytical and physical chemistry, surface chemistry and physics, and materials science.

The first microscope Dr. Weiss built for his laboratory is likely the finest scanning tunneling microscope (STM) in the world, according to colleagues. Dr. Weiss is using this instrument to understand surface chemistry and bonding of single molecules, surface motion, and interactions on surfaces. Another microscope in the Weiss lab is one that he invented, a tunable alternating current STM (ACSTM). It is the only instrument in the world capable of recording chemically-specific atomic resolution images and spectra on insulating surfaces. Dr. Weiss is applying this new tool to a broad range of issues in chemistry, biology, physics, metrology, and materials science.

Dr. Weiss received bachelor's and master's degrees in chemistry from the Massachusetts Institute of Technology in 1980 and a doctoral degree in physical chemistry from the University of California at Berkeley in 1986. He was a postdoctoral member of the technical staff of AT&T Bell Laboratories from 1986 to 1988 and a visiting scientist at the IBM Almaden Research Center from 1988 to 1989 before joining the Penn State faculty in 1989. He received the National Science Foundation Presidential Young Investigator Award in 1991 and both the Scanning Microscopy International Presidential Scholarship award and B. F. Goodrich Collegiate Inventors Award in 1994.

## Faculty/staff campaign kicks off this week

If all of the individuals who made financial contributions last year to Penn State programs were crammed into Beaver Stadium, the fire marshal would not be happy.

The stadium would be overflowing with more than 100,000 "fans"—made up of alumni, friends, parents, students and faculty and staff members—who supported the work of programs throughout the University in 1994-95.

"I never thought of the number of annual donors in this way," said Nancy Cline, dean of University Libraries and chair of the Council of Academic Deans, "but it's a graphic representation of the kind of support Penn State receives from its generous family of believers. It should also serve as a boost of confidence to those of us who work at Penn

State every day. It's nice to know we have the backing of thousands."

The 1994-95 Faculty and Staff Campaign—100,000 Votes of Confidence—is aimed at expanding the number of faculty and staff donors, while informing employees about the value and breadth of philanthropy at Penn State. The annual campaign gets under way this week when all faculty and staff members receive materials that encourage giving to a favorite area at the University.

"This campaign is about participation," Dan Saffig, director of annual giving, said. "Employee giving says a lot about the level of commitment from inside the family, and often, potential outside funding sources ask about the level of support received from the faculty and staff. In that way,

employee gifts are of great importance since they have the potential to attract other significant gifts."

In the 1993-94 fiscal year, 3,775 employees contributed nearly \$1.5 million to Penn State programs. This year's goal is 4,000 faculty and staff donors—a feat accomplished in 1992-93 with the assistance of the Million Dollar Faculty and Staff Challenge.

Since July 1, 2,654 faculty and staff members have contributed to University programs. Employees may participate in the campaign by writing a check or by choosing the payroll deduction option.

If there are any questions concerning the annual Faculty and Staff Campaign, please call Barbara Sarra at (814) 863-2052.

## From the Trustees Docket

### Trustees approve building design plans

Penn State's building program continues to grow with plans for a new engineering building at University Park and a new addition to the Bookstore Building at the Altoona Campus.

The Board of Trustees has approved final plans for the Leonard Building, a teaching and research facility for undergraduate and graduate students and faculty in the College of Engineering on the new West Campus at University Park. It was designed by GSCSB/H, Inc., of Clarks Summit. The board also authorized the release of \$5 million, which is the University's share of the \$15 million "Jump Start" project. Pennsylvania's Department of General Services is supplying \$10 million toward the planning, design and construction costs of the building.

The new facility will be built on the West Campus and will provide space for general classrooms and the departments of Industrial and Management Systems Engineering and Nuclear Engineering in the College of Engineering. The 95,200-square-foot building will have three main floors and a top level for mechanical equipment, and will be constructed of brick, glass and bands of cast stone. It will be built just south of the ARI Building, which was completed in 1993, with an entrance from the proposed pedestrian mall to the north of the building and one on the south side. The second and third floors, facing the Borough of State College, will be stepped back to break up the mass of the building.

The Board also learned of plans for a 1,600-square-foot addition for the Bookstore Building at Penn State's Altoona Campus. The addition will expand the available sales floor area and create a new entrance vestibule. The total project budget is \$280,000, about 80 percent of which is for the new construction and 20 percent is earmarked for interior renovations to the existing portion of the bookstore.

In other action, the Board:

- authorized easements to the Borough of State

College for the installation of a ground pole, controls and control lines for a new pedestrian-activated traffic light on North Atherton Street near the bus terminal and a large University parking lot. While a project to construct a pedestrian bridge at this location has been authorized by the state legislature, the light will facilitate safe pedestrian crossing now and as the West Campus develops, until the day a pedestrian bridge becomes a reality.

- renamed the Library/Learning Center at the Delaware County Campus the Vairo Library in honor of John D. Vairo, the first campus executive officer, who served in that capacity for 20 years before retiring in 1986.

- approved the renaming of the Rose Building, 1125 S. Burrows St. in State College, to Rider House. The two-story, red-brick, 6,888 square-foot building is named for the State College donors, Charles and Jeanne Rider Sr.

Rider House was built in 1935 and for many years was the location of the Koch Funeral Home. The building—currently valued at \$425,000—houses offices of two University departments: the Lion Line, the University's telemarketing center, and the Science, Engineering and Research Communications Group of the Department of Public Information.

A native of Bellefonte, Charles Rider is president of Rider Real Estate in State College and is the retired chairman and president of Rider Auto Inc. of State College.

Riders are long-time benefactors to Penn State. Mr. Rider is a member of the National Development Council, Penn State's highest volunteer fundraising advisory body. He and Mrs. Rider also established endowments to support students and faculty in The Smeal College of Business Administration and the College of Agricultural Sciences, and supported the campaign to build the Bryce Jordan Center.

### CQI encouraging University-wide leadership

As Penn State continues and intensifies its ongoing efforts to improve quality, people with leadership abilities are emerging throughout the University, the

only one of the many "talent scouts" on the University Council on CQI who are looking for ways to increase the pool of leadership.

Her remarks, focusing on leadership for change, were part of a presentation on CQI involving John Brighton, executive vice president and provost, and Louise Sandmeyer, executive director of the University's CQI Center.

Dr. Brighton said the University's CQI Council was created four years ago with the vision of a "need to change"—"a need to look carefully at how we do things," then set about continuously improving them. "We wanted to change the culture," he said. "We wanted to create a culture of continuous improvement."

Ms. Sandmeyer told the board that CQI "has made and will continue to make a difference at Penn State," in results, satisfaction, teamwork and quality. Saying that the differences CQI makes may be best expressed by members of CQI process improvement teams, she concluded by showing a videotape that featured team members from across the University—including faculty, staff and administrators. Almost unanimously, they commented that their involvement not only helped improve quality, but helped them look at issues in more depth and feel that they were an important part of making things better.

**Members of CQI teams have almost unanimously expressed that they felt their involvement helped improve quality at the University.**

Board of Trustees has learned.

"As we stimulate and encourage change throughout the University, and as more people are educated in the principles and purposes of quality improvement, we are seeing leadership emerge from many sectors," said Nancy Cline, who heads the planning team that leads the University's Continuous Quality Improvement (CQI) efforts. "Some of the leaders are in academic positions, while others are found throughout the organization—at all levels of staff and faculty."

Dean Cline, chair of the Council of Academic Deans and dean of University Libraries, said she is

### Trustee election ballot positions announced

In a procedure established by the Board of Trustees, a drawing has been held to determine ballot positions for the 1995 election of trustees by alumni.

Paula R. Ammerman, associate secretary of the board, conducted the drawing and said ballots for the trustee election will be mailed to Penn State alumni by April 10. All ballots must be returned to the trustees office by the close of the election at 9 a.m. Thursday, May 11.

The names of the candidates for three positions on the board to be elected by alumni and the order in which they will appear on the ballot are as follows:

- Charles L. Hosler, 47, 48g, 51g, senior vice president for research and dean of The Graduate School and professor of meteorology emeritus at Penn State, State College.

- Stephen G. Sheetz, 69, president of Sheetz, Inc., Altoona.

- Barry K. Robinson, 67, deputy general counsel of Recording Industry Association of America, Inc., Bethesda, Md.

- Nancy Van Tries Kidd, 55, 77g, psychologist and mediator with Psychological and Counseling Resources, Richmond, Va.

- Louis G. Galliker, 56, president of Galliker Dairy Company, Johnstown.

- Benson M. Lichtig, 73, founder and president of The Communication Station, State College.

- Stephen M. Hladik, 89, deputy attorney general-in-charge, Middletown.

- Lawrence J. Beighley, 60, president and owner of Plastic Corporation, Dunwoody, Ga.

- Robert L. Horst, 58, consultant with Peak Productivity USA, Lancaster.

- Alvi O. Voigt, 55, 57g, professor emeritus of agricultural economics at Penn State, State College.

### Endowments grow by more than \$130 million

The total market value of Penn State's pooled endowment funds grew by more than \$130 million over the past five years, rising from \$163.2 million in 1989 to \$294.4 million as of Dec. 31, 1994. A report presented to the Board of Trustees by the treasurer's office credits the growth to new gifts and reinvested earnings.

The annualized investment return of 8.1 percent over the past five years, though less than recent trends, is nearly double the inflation rate of 4.2 percent. The report attributes the depressed absolute return in the last year to increased interest rates and the financial market's concern with the prospect of higher rates of inflation.

The University did outperform other endowment funds modestly due to better stock and bond selection plus defensive (lower duration) bond management. In the current economic environment, the University continues to be cautious with its equity investments, particularly domestic ones.

Penn State's endowment fund is a pooled investment of gifts. The University holds endowment funds perpetually, investing them and spending only a portion of the total return for each endowment's designated purpose. The remaining return is added to the principal to protect it from inflation. Endowments provide a source of income that Penn State can depend on to meet some of its most critical academic needs.

Over the past five years, the endowments have provided approximately \$47 million in program support.



## From the Trustees Docket

Hershey expanding  
M.D./Ph.D programs

The College of Medicine in Hershey plans to expand its current M.D./Ph.D. program, Judith S. Bond, professor and chair, biochemistry and molecular biology, and the director of the M.D./Ph.D. program, has told Trustees.

"Our long-range goal is to train leaders in the search for cures, treatment, and prevention of disease," Dr. Bond said. "While we currently have 10 dual-degree students in the seven-year program, our aim is to expand the program to six students per year for a total of 42 students."

The expansion of the program would include the establishment of a Medical Scientist Training Program (MSTP) supported by the National Institutes of Health as well as by scholarships provided by the College of Medicine.

"Through the Medical Scientist Training Program, we aim to help address a national need to train medical researchers for careers at academic health centers and other research institutes," Dr. Bond said. "Penn State has a talented and interactive faculty that has the commitment and ability to attract and train outstanding students to meet this national need."

Medical Center  
alliance progressing

The health-care alliance between Hershey Medical Center and Holy Spirit Hospital has already made several accomplishments, including the establishment of joint executive training and development programs and a joint purchasing agreement that has an initial projected savings of \$120,000.

According to Dr. C. McCollister Everts, senior vice president for health affairs and dean of the College of Medicine, an integrated clinical information systems network is being developed which will enable all institutions to share medical records and information.

Dr. Everts provided the University's Board of Trustees with a progress report on the health-care alliance among Hershey Medical Center, the Holy Spirit Hospital and Carlisle Hospital and Health Services.

The alliance is establishing joint medical residency programs and hospital privileges, as well as shared home health services. The alliance also is developing joint clinical centers of excellence in such areas as primary care, obstetrics and emergency medicine.

He discussed several advantages of an integrated health care delivery system in central Pennsylvania. Among other things, it would allow for increased health plan participation, provide greater consumer and employer choice, enhance the comprehensiveness of healthcare services and provide broad geographic coverage.

## Room rate increases get board nod

The Board of Trustees has approved an increase in room and board charges at all locations, effective for the 1995 fall semester, because of increased operating costs. The board also increased rental charges at University Manor apartment complex at The Hershey Medical Center, effective July 1.

The 1995-96 room and board charge for an undergraduate student living in a standard double room and selecting Meal Plan 3 will be \$2,020 a semester, a 3.06 percent or \$60 increase over the 1994-95 room and board rate of \$1,960 per semester. Meal Plan 3 provides about 12 to 13 meals per week and most closely approximates the average board plan that students select.

Individually, the cost of a standard double room at University Park will increase from \$920 to \$950 for a semester and the cost of Meal Plan 3 will increase from \$1,040 a semester to \$1,070.

Graduate residence hall rates for a standard double room with a meal plan at University Park will be \$980 a semester, and \$1,085 a semester for a double room without a meal plan. Rental costs for Graduate Circle Apartments will be \$385 a month for a one-bedroom unit and \$445 for a two-bedroom unit, while rental costs for Eastview Apartments will be \$295 a month for a one-bedroom apartment and \$355 for a two-bedroom unit.

Both graduate and undergraduate students have several housing and meal options to choose from, ranging from single rooms to six-person apartments and from Meal Plan 1 to Meal Plan 6, depending on how many meals they select.

At Penn State Erie, The Behrend College, apartment rates for a semester will increase \$35 a semester to \$1,175 a person for a two-bedroom garden apartment for four students

and \$1,125 for a three-bedroom apartment. At Penn State Harrisburg, a standard three-bedroom unit will cost \$495 a month, and the Meade Heights Apartments will range from \$1,290 to \$1,025 a semester, depending on the number of occupants.

At University Manor East in Hershey, the cost of renting one of the 24 one-bedroom apartments will increase by \$15 from \$485 to \$500 a month. Rents for the 164 two-bedroom apartments will increase by \$17 from \$577 to \$594 a month; the 16 two-bedroom apartments with washer and dryers will increase by \$20 from \$618 to \$638; and the 16 three-bedroom apartments will increase by \$21 from \$629 to \$650 a month.

University Manor West has 31 four-bedroom furnished apartments, and rental for these will increase by \$40 a month, from \$1,020 to \$1,060.

## Medical Center expense reduction continues

The second phase of an expense reduction program at The Hershey Medical Center was announced to the Board of Trustees during their meeting at the Medical Center on March 17.

Allan C. Anderson, vice president and chief operating officer of the Medical Center and director of University Hospitals, first reported on the success of phase one. The Medical Center had set a goal of \$22 million for its cost reduction for 1993-94, he said, and by the year's end, the Medical Center had saved \$37 million—\$23 million in actual expenses and an additional \$14

**Phase two targets a 10 percent improvement in operating costs in clinical, educational and research enterprises over a two- to three-year period.**

has resulted in a projected adjusted cost per inpatient admission of \$9,036 for 1994-95. This is 10 percent less than 1992-93 and 6 percent less than 1993-94.

Phase two, according to Mr. Anderson, has as its target, achieving a 10 percent improvement in operating costs in clinical, educational and research enterprises of the Medical Center over a two- to three-year period. Milestones will be established for measuring progress.

million due to an increase in the number of both inpatients and outpatients over the previous year.

The phase one expense reduction

## Board hears of new majors in various colleges

The Board of Trustees has learned about new majors in the College of Agricultural Sciences, the College of Engineering and a cooperative program offered by The Smell College of Business Administration and the Eberly College of Science.

The University has established a new major in Environmental and Renewable Resource Economics in the College of Agricultural Sciences, which is intended for students who want to concentrate their studies on how economics is used to examine and solve environmental and renewable resource problems.

The major in agricultural econom-

ics and rural sociology, also in the College of Agricultural Sciences, has been dropped. Over the past decade, student interest in this undergraduate program has declined, with about 24 students currently enrolled. Courses required for the major will continue to be offered until these students have completed their program.

In the College of Engineering, the associate degree in Biomedical Equipment Technology has been changed to the associate degree in Biomedical Engineering Technology to more accurately reflect the educational philosophy of the program and to align it with other engineering technology

programs at Penn State.

The University also has established a new five-year science/business program in which students will be able to earn a B.S. degree in general science and an M.B.A. in business administration in five years. This is a cooperative effort between the Eberly College of Science and The Smell College of Business Administration. It will provide an opportunity for students to combine and accelerate an undergraduate program in the basic sciences with a graduate program in business administration.

## News in Brief

### Professional Women

Professional Women at Penn State hosts a meeting on "Human Resources: Today and the Future" at 11:45 a.m. Tuesday, March 28, at the Paul Robeson Center auditorium on the University Park Campus. Presenters will be Billie Willits, assistant vice president for human resources, and Linda Pierce, employee relations officer.

Some of the topics discussed will be SPFC: today and the future; hiring outside applicants, and placing displaced employees.

Professional Women at Penn State is a grass-roots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn Staters.

The group welcomes attendance by both male and female persons in all job and student classifications at the University.

### Science writers

Bernard Asbell will lead a roundtable discussion of his new book on the birth control pill at the Penn State Chapter of the National Association of Science Writers lunch time

meeting at noon Wednesday, March 29, in 114 Kern Building at University Park.

His book, *The Pill: A Biography of the Drug that Changed the World*, is scheduled to be released in April by Random House. Author of the 1961 bestseller, *When FDR Died*, 13 other books and some 200 magazine articles, Mr. Asbell retired from the Penn State English Department in 1992.

The chapter meets for lunch and discussion on the last Wednesday of each month during the academic year. This year marks the chapter's fifth anniversary.

The brown bag lunch time roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-9481.

### Catholic faculty/staff meeting

The Penn State Catholic faculty and staff discussion group will hold its next meeting at 4:00 p.m. Monday, April 3, in Room 212 Eisenhower Chapel at University Park. Father David Arseneault will lead a discussion on the Triduum. All Catholic faculty and staff are invited

to participate. Bring a lunch. Any questions can be addressed to Mike Morse, 863-0353, or Marty Klancher, e-mail: 160@SUVV.

### Gymnastics Championships

The Nittany Lion Gymnastics team will host the 1995 NCAA Men's Gymnastics Championships East Regional at 7:30 p.m. Saturday, April 8, in Recreation Building on the University Park Campus.

Tickets are \$6 for adults and \$4 for students/youth/senior citizens. Reserve your seat today. Call the ticket office at 863-1000.

### Discover Old Main

An Old Main open house is scheduled for Wednesday, April 12, from 10 a.m.-5 p.m. Sponsored by the Lion Ambassadors, the tour will include offices in Old Main, the historic land grant frescos, and a view of the University Park Campus from the Bell Tower.

Lantern Tours, which are evening tours of campus telling of Penn State's rich history, will be given April 17 through 19, from 8-9 p.m. The tour begins on the steps of Old Main and the public is welcome. For more information, call 863-3752.

## Harrisburg hosts conference April 25

The fourth annual Office Professionals' Conference, presented by Penn State Harrisburg Continuing Education, will be held Tuesday, April 25, at the Holiday Inn-Harrisburg East Hotel.

Keynote speakers are Lois Dostalik, president of Toastmasters ET AL, and Sharon Veet, senior nurse educator at the WomanCare Resource Centers. Ms. Dostalik will present the opening keynote address on "Customer-Driven Strategies for the Internal Customer" and Ms. Veet will present the closing keynote address, "Humor and Laughter...It Does a Body Good."

Participants may choose from 12 informative and educational workshops on such topics as: Employees Who "Lough-Last," "Upskilling" Techniques for Administrative Organizations, Exploring the Internet, Becoming Highly Effective Can Be Positively Habit Forming, and many more. You also will have access to a variety of informational exhibits representing numerous professional associations/organizations.

The conference registration of \$125/person includes workshops, materials, lunch, and break refreshments. For a detailed brochure or more information, call Penn State Harrisburg at (717) 948-6505.

## Appointments

### Smeal names dean's assistant

Barbara L. Jackson-Hall, editor-in-chief of *Vibrant Life* magazine, has been named assistant to the dean for alumni relations in The Smeal College of Business Administration.

Before assuming the lead post with *Vibrant Life*, Ms. Jackson-Hall was editor of *Cornerstone* Conventions, and assistant editor of *Message*, both magazines of Review and Herald Publishing, Hagerstown, Md. From 1979

1986, she was a reporter with WCMH-TV in Columbus, Ohio, specializing in health and education issues. She also served as host for the talk shows "Columbus Today," "Youth Speaks" and "Focus on Columbus." Previously, she was an associate instructor in mass communications at Indiana University.

Ms. Jackson-Hall holds a bachelor's degree in journalism and speech communications from Ohio Wesleyan University, and a master of science degree in telecommunications from Indiana University.

### Director of PERC appointed

Robert J. Santoro, professor of mechanical engineering, has been appointed director of the Propulsion Engineering Research Center (PERC). He succeeds Charles L. Merkle, founding director of the center and professor of mechanical engineering.

PERC was one of nine university-based Space Engineering Research Centers, each with a specialized area of space research, established by NASA in 1988

as part of a plan to help meet the needs of the nation's expanding space program.

During Dr. Merkle's tenure as director, PERC moved into the new Research West Building and established focused research programs in the areas of chemical and advanced propulsion systems. Today, PERC has an annual research budget of approximately \$4.5 million and a research program involving 20 professors from five departments and two colleges.

Providing graduate education has remained an important part of PERC's mission, according to Dr. Santoro. Currently, about 90 graduate students are affiliated with the center, while more than 80 have graduated and are in the workplace. PERC also has educational activities directed toward undergraduates that include links with historically Black colleges and universities, and undergraduate involvement in research.

Dr. Santoro has been actively involved in the center from the beginning. An early contribution was to help establish PERC's cryogenic combustion laboratory, the only such facility in an academic institution in the country. His research covers soot particle formation in combustion systems, spray combustion, combustion instabilities, multi-arcular absorption techniques and combustion chemical kinetics.

Dr. Santoro's research has been recognized by a variety of organizations. He has received the Presidential Bicentennial Award from Boston College, the U.S. Department of Commerce Silver Medal, the Penn State Engineering Society Outstanding Research Award, the Penn State Mechanical Engineering

Department Head's Outstanding Faculty Award and the Outstanding Technical Paper Award from the 23rd Joint Propulsion Conference.

Dr. Santoro came to Penn State in 1986 and was promoted to professor in 1990. He served as physicist at the National Bureau of Standards from 1978 to 1986 and, from 1975-1978, was a research associate and then a research staff member at the Princeton University Guggenheim Labs. He holds bachelor and Ph.D. degrees in physics from Boston College.

### McKeesport hires academic coordinator/counselor

Annita S. Scotland has been appointed academic coordinator/counselor for the Academic and Cultural Enrichment Program at the Penn State McKeesport Campus.

Ms. Scotland served as part-time coordinator/counselor at the campus from April to August, 1994, and taught the Freshman Experience course fall semester, 1994.

The ACE Program is funded by a Student Support Services TRIO grant from the U.S. Department of Education to provide learning assistance and cultural enrichment to enable eligible students to succeed in college. All services are provided free of charge.

Before joining Penn State, Ms. Scotland was an educational consultant for the Pittsburgh and Westland Hills school districts and Carnegie Mellon University.

From 1989 to 1994 she was the learning disabilities laboratory coordinator at the Center for Academic Support and Enrichment for the County College of Morris, Randolph, N.J. In addition, she developed the Learning Analysis Skill System, a study skills program designed to teach minority students how to use their learning styles to succeed in any educational setting.

She holds a master of science in education from Long Island University, Greenvale, N.Y., and a bachelor of science degree in mass communication from Bradley University, Peoria, Ill.



Barbara L. Jackson-Hall



Robert J. Santoro



*"I am gravely disappointed in the (state) budget message that has been delivered."*

# President Thomas urges grassroots effort to turn tide of state funding in education's favor

*Editor's note: What follows is the text of a speech by President Thomas to the University Faculty Senate on March 14. The speech deals with the proposed state budget.*

I want to focus my remarks this afternoon on the status of Penn State's appropriation request for the 1995-96 academic year.

We are rapidly approaching the time when I will need to defend that request before the appropriations committees in the Pennsylvania House of Representatives and the Senate.

That request—approved by the Board of Trustees—is focused and modest and, if approved, will continue the advancement of this remarkable learning community.

Our optimism for this request was dealt a rather severe blow last week when Gov. Tom Ridge presented his first budget message.

The essentials of his recommendations for Penn State are as follows:

■ The Governor recommended folding into the University's base (permanent) budget last year's tuition challenge grant, approximately \$9.9 million.

The \$9.9 million resulted from the \$210 per Pennsylvania full-time resident student we received in exchange for agreeing to a 4.5 percent cap on the increase in tuition.

Folding these funds into our base budget was the first priority in our request and we are very pleased this has been recommended.

Had this money not been folded in, we obviously would have experienced an immediate \$9.9 million cut in state funds.

However, in looking to 1995-96, the executive branch is recommending a zero increase in our base budget.

■ Gov. Ridge has chosen to continue the Tuition Challenge Grant program initiated by Gov. Casey, where a flat dollar amount is allocated for Pennsylvania full-time resident students in exchange for a cap on the tuition increase.

■ He has reduced the flat dollar per capita amount from \$210 to \$100, with the same 4.5 percent tuition cap.

As a result, under the Ridge proposal, new income from the Commonwealth in 1995-96 for Penn State would be \$4.7 million, less than half the \$9.9 million received from this program last year.

## The big picture

This \$4.7 million in new state funds represents a 1.8 percent increase in Commonwealth support for Penn State—not a 3 percent increase as has been reported. The 3 percent figure is achieved for all of higher education by counting in the full amount the new funding recommended by the governor for PHEAA, The Pennsylvania Higher Education Assistance Agency, which received an increase of 17.4 percent.

For the past 8 years, PHEAA funding has been increased by 10 percent each year. The extra 7 percent in this year's 17.4 percent increase corresponds exactly to the reduction of more than 50 percent in the tuition challenge allocation.

PHEAA dollars, as you know, follow the student, not the institution. It is, in essence, a voucher system for higher education, 53% of whose dollars go to private institutions. This imbalance is not a good omen for public higher education in the Commonwealth.

I would also note that Gov. Ridge has recom-

mended \$38.5 million for basic education in a voucher system for elementary and secondary students, further evidence of his overall thinking about public education.

## Penn State's funding

As we look at Penn State's funding for next year, our second major source of income—tuition—also needs to be factored into the discussion.

**"Laying this projected income stream of \$20.6 million over the expenses we are projecting for 1995-96 is a sobering exercise."**

A tuition increase of 4.5 percent as allowed under the currently proposed Tuition Challenge Grant program, will yield an additional \$15.9 million for Penn State next year.

The total dollars for next year from the \$4.7 million Tuition Challenge Grant, plus the \$15.9 million in tuition and other income are \$20.6 million.

Laying this projected income stream of \$20.6 million over the expenses we are projecting for 1995-96 is a sobering exercise.

For example, the appropriation request I will defend before the House and Senate over the next 20 days seeks special relief for a \$25 million mandated increase for a rise in the State Employee Retirement System (SERS). This request has not been recommended for funding in the governor's budget.

Since we forwarded the appropriation request for 1995-96, we have learned that the University must fund a similar and larger increase (about \$3 million) for the alternative retirement plan: TIAA/CRF.

Together, then, we must come up with \$5.5 million for retirement cost increases in 1995-96.

## Unfunded cost increases

Additional unavoidable and unfunded cost increases for next year include:

■ A \$4.3 million increase for health insurance and Social Security and ...

■ \$2.1 million for increases in fuel and utilities costs and maintenance and operation of new facilities coming on line in 1995-96.

Our total in unavoidable and unfunded cost increases so far are \$11.9 million.

So, of the \$20.6 million in new funds generated by the recommended Tuition Challenge Grant program and the capped 4.5 percent tuition increase, the balance left after paying the unfunded and unavoidable costs is \$8.7 million.

## Where are the remaining funds going?

That \$8.7 million must be applied to the following additional needs we have identified in the 1995-96 appropriation request:

■ \$4.5 million to support the implementation of the \$15.8 million capital appropriation we are receiving for telecommunications;

■ \$19 million for a salary increase of 3.5 percent (let me remind you that each 1 percent increase in salaries requires \$5.4 million in new dollars, and

■ \$8.5 million for program needs.

To be specific on program needs, I refer to our continuing need for library resources—funds desperately needed to increase the base budget for the Commonwealth Educational System—deferred maintenance, and University-wide priorities identified in the Future Committee process, such as undergraduate education, graduate education, information technology and the life sciences.

Thus it is obvious why I am gravely disappointed in the budget message that has been delivered to higher education in general and to Penn State in particular.

The paucity of what is being recommended for what clearly is Pennsylvania's flagship university is, I believe, a threat to the future vitality of this Commonwealth.

## What is our best course?

In this environment, I believe we must marshal all of our forces and make our voices heard at the grassroots level at every one of our 23 locations and in every one of our 67 counties.

This learning community has set a leadership standard in responding to the challenges of the past five years. We have taken our medicine and we have

**"We must be united and we must be diligent in giving the members of the General Assembly the information they need to help turn this around for Penn State."**

moved ahead in spite of it—although the cuts we have made have caused many difficulties.

We must—and we will—deliver our message uniformly and often across this state as a means to improve on what has been proposed for Penn State at this point in time.

Helen Caffrey, director of Commonwealth Relations, has started her visits to the campuses.

She will spread our message through the grassroots advocacy teams she has put in place.

I would urge those of you in the Commonwealth Educational System to work through your campus executive officer to support these efforts.

Legislators here in Centre County already have expressed to me their willingness to be advocates for Penn State in helping to craft an appropriation that is in tune with our critical needs.

Those of you in Centre County who know them should thank them and encourage them to stay the course.

I will carry our message in the strongest possible terms to the General Assembly, immediately over the next 20 days, and persistently for every day between now and the anticipated passage of the state budget in June.

We must be united and we must be diligent in giving the members of the General Assembly the information they need to help turn this around for Penn State.

And we will share that information with this body so you, too, are able to support this very important thrust on Penn State's and Pennsylvania's behalf.

# ARTS

AT PENN STATE

## Trombone choir

A new work for brass ensemble by **Paul Barsom**, composition instructor in the College of Arts and Architecture School of Music, will be premiered on March 25 by the Eastman School of Music Trombone Choir under the direction of **John Marcellus**. The performance will take place at the Eastern Regional Trombone Workshop, sponsored by the United States Army Band in Fort Meyer, Va.

The work, titled "Children of Jericho," will be performed by the Eastman group in several concerts this spring, including performances at the Eastman School in Rochester, N.Y., Lebanon Valley College in Pennsylvania and, on April 9, at Penn State as part of the Frühlings Posauen, a concert of trombone choir music featuring the Eastman, Oberlin Conservatory, Ithaca College and Penn State trombone choirs. The work was commissioned by Dr. Marcellus, former trombonist with the National Symphony Orchestra, and professor of trombone at the Eastman School of Music.

## Canadian organist

**Jan Overduin**, a Canadian organist who has won numerous awards, will present a recital at 8 p.m. Tuesday, March 28, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

Mr. Overduin's recital will feature three works that have been dedicated to him. He will perform "Sonata XXV," Op. 196 by **Barrie Cabena**, a Canadian composer, "Double Dances" by **Alice Parker**, an American composer, and "Eight Preludes" by **Jean Langlais**, a French composer. Overduin will also perform Bach's "Tocatta, Adagio, and Fugue in C" and a composition by **Arvo Part**, a 20th-century Estonian composer. He will conclude the program with an improvisation.

Mr. Overduin is a professor of music at Wilfrid Laurier University in Waterloo, Ontario, where he teaches organ and conducting.

A native of Holland, he has a master's degree from the University of Western Ontario.

The recital, sponsored by the College of Arts and Architecture School of Music and the State College Chapter of the American Guild of Organists, is free to the public.

## Bach's Lunch

The Mallet Ensemble, under the direction of **Dan C. Armstrong**, associate professor of music, will perform for the Bach's Lunch concert series at

12:10 p.m. Thursday, March 30, in the Helen Eskin Eisenhower Chapel on the University Park Campus.

The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Selections to be performed include "Spanish Dance No. 5" by **Moszkowski**, "Melisande's Death" by **Sibelius**, and two arrangements by professor **Armstrong**.

The concert is free to the public.

## Tenor saxophone performance

Tenor saxophonist **Joshua Redman** will perform at 8 p.m. Thursday, March 30, in Eisenhower Auditorium on the University Park Campus. The concert, presented by the Center for the Performing Arts, is the last in the "Cool Heat" series.

Mr. Redman, only 26, graduated summa cum laude from Harvard in '91 and was accepted into Yale Law School. After deciding to take a year

## Les Violons du Roy

**Les Violons du Roy**, a string chamber orchestra from Quebec City, Canada, will perform at 8 p.m. Friday, March 31, in Schwab Auditorium on the University Park Campus. The concert, the last of the "Intimate Excursions" series, is sponsored by the Center for the Performing Arts.

The concert marks the group's United States debut. Founded in 1984 by its artistic director, **Bernard Labadie**, **Les Violons du Roy** has performed in Canada, Belgium, Germany, France and Spain.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814)863-0255.

## URTC production

The University Resident Theatre Company will conclude its '94-'95 season with a production of "Electra," on Friday, March 31, at 8 p.m. in the Pavilion Theatre on the University Park Campus. This U.R.T.C. production is under the direction of **Cary Libkin** and is part of the College of Arts and Architecture Department of Theatre Arts.

The play, written by **Sophocles** in the 5th century B.C.T., is a tragedy in the highest order. It is a story of vengeance, as **Electra** tries to claim retribution from her mother and her mother's lover, for the murder of her father.

The production of "Electra" will run Friday, March 31, through Saturday, April 8. All evening performances begin at 8 p.m. Student preview performances will be held at 8 p.m. Wednesday and Thursday,

Ms. Forish dried the flowers and herbs and arranged them on watercolor paper, sometimes using spices for color.

Also on display in the Library's Lending Services Gallery is an exhibit of **Patsy R. Dummire's** photo collages.

The six photo collages are a visual diary of some of Ms. Dummire's casual experiences. The exhibition also includes an explanation of the imagery and her accompanying feelings.

## DuBois Campus

Pittsburgh artist and teacher **Evy Mark Rogers** is exhibiting a collection of her paintings through the end of March in the lobby of the Smeal Building at the Penn State DuBois Campus.

Her paintings are landscapes from a bird's eye view. In addition to the traditional components of painting—pigments and canvases—Ms. Rogers introduces new products of technology into her works and finds they add a dimension of light.

## Spring concert

The Penn State Concert Choir and Chamber Singers will present their annual spring concert on Saturday, April 1, at 8 p.m. in the College of Arts and Architecture School of Music Recital Hall on Penn State's University Park Campus. The concert will feature selections from the choral groups' spring tour in Maryland, and their upcoming European tour.

Half of Saturday's concert was written by composers from Austria, Germany, and Switzerland.—The other half of the program features works by United States composers and arrangers.

From the 64-member Concert Choir, 27 singers are selected to form the Chamber Singers. Both ensembles are conducted by **D. Douglas Miller**, professor of music. **Paul McPhail**, a graduate conducting major, is the Concert Choir's assistant conductor.

For advance ticket information, contact the School of Music Office, open Monday through Friday, 9 a.m. to noon and 1 to 4 p.m., at (814) 865-0431. Tickets will be available at the door the night of the concert.

## Ogontz Campus

Cartoonist and satirist **Daniel Sean Kaye's** "Konica-Cat" Show is on display at the Penn State Ogontz Campus until April 2.

The show features Mr. Kaye's pen and ink comic creations. His work, which takes up to six months to complete, reflects his comments on the political and social state of the world.

A resident of Abington and a former Penn State Ogontz student, Mr. Kaye's comic strip "Abyssburg" is published in *The Mainliner* and the *Delaware Valley Recovery News*.

## Special exhibit

The HUB's Art Alley will display winning works of art from Central Pennsylvania Scholastic Art Competition through April 9.

This 71st annual art competition, a division of the National Scholastic Art



"Cool Heat"

Tenor saxophonist **Joshua Redman** performs at 8 p.m. Thursday, March 30, in Eisenhower Auditorium on the University Park Campus.

Tickets for this final performance in the "Cool Heat" series can be obtained by calling the Eisenhower Auditorium Ticket Center at 863-0255.

off and play the saxophone, his musical career rapidly developed, making him one of the jazz world's hottest players.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open 8:30 a.m. to 4:30 p.m., Monday through Saturday at (814)863-0255.

March 29 and 30. A matinee will be presented at 2 p.m. Saturday, April 1.

## Pattee exhibits

"Beauty and the Beet," an exhibition of flower and herbs collages by **Betty Grey Forish**, is on display in Pattee Library's West Lobby Gallery at University Park through March 31.

Inspired by plants in her garden,



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, March 23**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Singing Lions.  
Libri, 7 p.m., WPSU-FM 91.5. Interview with Susan Sauter, author of *Babes & Bottles: Twentieth Century Visions of Reproductive Technology*. Also, an interview with Ada Aharoni, author of *Not in Vain*.  
School of Music, 8 p.m., Recital Hall. Kim Cook, cello, and Marylene Dosse, pianist.  
**Friday, March 24**  
Slavic Folk Festival, 10 a.m.-10 p.m., HUB Ballroom. Also March 25 and 16 p.m., March 26.

Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "Old Masters at the Palmer."  
■ Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Anne Knowles on "The Morality of Immigration: Welsh Calvinists in the Land of Mammón."

**Saturday, March 25**  
Office for Minority Faculty Development Workshop, 9 a.m., 114 Kern. Robert A. Killion on "External Funding." For reservations, call 863-1663 by Mar. 21.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. "Guys and Dolls." Tickets required, call 863-0255.

**Sunday, March 26**  
Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Cosmic Microwave Background: Glow from the Big Bang."  
Shaver's Creek, 11 a.m., Environmental Center. Modern Methods of Maple Sugaring. Call 863-2000.

**Monday, March 27**  
■ East Asian Studies Program, noon, 101 Kern. Symposium in honor of Kenzaburo Oe, the Japanese author who won the Nobel Prize for Literature in 1994. Also, 4 p.m., 102 Weaver. Masao Miyoshi on "Kenzaburo Oe The Ambiguous and Japan."

**Tuesday, March 28**  
Professional Women at Penn State, 11:45 a.m., Paul Robeson Cultural Center. Billie Wilks on "Human Resources: Today and the Future."  
Center for Women Studies, 8 p.m., Schwab Aud. Katie Koestner on "Sexual Assault Awareness/Prevention."

Russell Marker Lecture in the Physical Sciences, 8 p.m., 101 Osmond Lab. Bertrand I. Halperin on "Electrons in Strong Magnetic Fields."  
School of Music, 8 p.m., Recital Hall. Jan Oerslund, organ.

**Wednesday, March 29**  
Center for Women Studies, noon, 120 Boucke Bldg. Film/Discussion of *M. Video, "Sex and Justice: The Highlights of the Anita Hill/Clarence Thomas Hearings."*  
Center for Adult Learner Services, noon, 329 Boucke Bldg. Marcia Pomeroy on "Developing a Resume."  
National Association of Science Writers, noon, 114 Kern. Bernard Abdel leads a roundtable discussion of his book on the birth control pill.

Russell Marker Lecture in the Physical Sciences, 3:30 p.m., 101 Osmond Lab. Bertrand I. Halperin on "The Quantum Hall Effects—Quantized and Unquantized."

**Thursday, March 30**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Male Ensemble.



**Les Violons du Roy**

This string chamber orchestra from Canada will perform at 8 p.m. Friday, March 31, in Schwab Auditorium. For tickets, call the Eisenhower Auditorium Ticket Center at (814) 863-0255.

Russell Marker Lecture in the Physical Sciences, 3:30 p.m., 101 Osmond Lab. Bertrand I. Halperin on "Quantum Spin Chains in Theory and Experiment."

Libri, 7 p.m., WPSU-FM 91.5. Review by Travis DiNola and Bonnie McDonnell of Mary Anne Staniszewski's book, *Believing is Seeing: Creating the Culture of Art*.  
Center for the Performing Arts, 8 p.m., Eisenhower Aud. Joshua Hedman, tenor saxophone. Tickets required, call 863-0255.

**Friday, March 31**  
Center for Adult Learner Services, noon, 329 Boucke Bldg. Jim Fay on "Financial Planning: Money Management—An Overview." Geography Coffee Hour, 4 p.m., 319 Walker Bldg. Roberto Sanchez on "Environment and Development Along a Troubled Border: The U.S. and Mexico."

Center for the Performing Arts, 8 p.m., Schwab Aud. Les Violons du Roy. Tickets required, call 863-0255.  
University Resident Theatre Company, 8 p.m., Pavilion Theatre. Electra. Continues through April 6. Tickets required, call 863-0255.

**Monday, April 1**  
Spring Parents Day.  
PA Holstein Show, Ag Arena. Through April 2.

College of Engineering Open House, 9:30 a.m.-3:30 p.m. Demonstrations and working displays throughout the college.  
Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "Initiation Is Necessary!"

School of Visual Arts, 8 p.m., Schwab Aud. Film Foddes. Call 865-0444.  
School of Music, 8 p.m., Recital Hall. Penn State Concert Choir/Chamber Singers. Tickets required, call 863-0431.

**Sunday, April 2**  
Center for the Performing Arts, 3 p.m., Eisenhower Aud. Sessaw. Tickets required, call 863-0255.  
School of Music, 3 p.m., Recital Hall. Penn State Chamber Orchestra.

Archaeological Institute of America, 4 p.m., 101 Kern. Joanne Spura on "Urban Renewal in Roman Castra." Lecture is preceded by the AIA's annual book sale at 3 p.m.

3:30 p.m.  
**Monday, April 3**  
Undergraduate Research Fair, HUB. Through April 6.

National Records Management Day Orientation Seminar, 10 a.m., C6 Pattee. Also, at 3 p.m. No preregistration necessary. Catholic faculty/staff meeting, noon, 212 Eisenhower Chapel. Father David Arsenault will lead discussion on "Triduum."  
■ Comparative Literature, 12:40 p.m., 101 Kern. Helena Gashlin on "Sex in Russian Literature."

Center for Women Studies, 4 p.m., HUB Assembly Room. Deborah Kass on "Current Works: A Slide Presentation." Contemporary Scholarship on Lesbian and Gay Lives Speaker Series.  
School of Music, 8 p.m., Recital Hall. Casalia Trio.

**Tuesday, April 4**  
National Records Management Day Orientation Seminar, noon, C6 Pattee. Also, at 4 p.m. No preregistration necessary.  
Center for Ethics and Religious Affairs, 7:30 p.m., Paul Robeson Cultural Center. Cheryl Sanders delivering the eleventh annual "Martin Luther King Jr. Memorial Lecture."

Art History, 8 p.m., Palmer Union Hall. Jack Greenstein on "Times of Renaissance Devotion."

**Wednesday, April 5**  
National Records Management Day Center for Women Studies, noon, 120 Boucke Bldg. Film/Discussion: "A Tale of O. On Being Different in an Organization." In conjunction with Lesbian, Gay, Bisexual Pride Week.  
Center for Adult Learner Services, noon, 329 Boucke Bldg. Marcia Pomeroy on "Center County Job Search."

National Records Management Day Orientation Seminar, 1 p.m., C6 Pattee. No preregistration necessary.

Center for Women Studies, 8 p.m., Eisenhower Aud. Anita Hill on "Sexual Harassment and Sex-based Discrimination in the Workplace."  
School of Music, 8 p.m., Recital Hall. Jazz II & III.

**Thursday, April 6**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State String Ensemble.

Center for Women Studies, 4 p.m., HUB Gallery Lounge. Sarah Lucka Hoagland on "Heterosexuality, Power and the Mother Model of the Care Ethic."  
Health and Human Development, 4 p.m., 209 Henderson Bldg. South. Gerald E. McClellan on "Nature and Nurture: Two-part Harmony."

School of Music, 8 p.m., Recital Hall. Penn State Low Brass Ensembles/University Brass.

**Friday, April 7**  
AAUW Book Sale, HUB. Through April 14.  
National Records Management Day Orientation Seminar, 10 a.m., C6 Pattee. Also, at 3 p.m. No preregistration necessary.  
HI&D, 11:15 a.m., Board Room 2, Nittany Lion Inn. The Sol Kramer Lecture. Bruce S. McEwen on "Hormones, Genes, and the Brain: Linking Nature and Nurture."

■ Gallery Talk, 2 p.m., Christoffers Lobby. Debra Greenleaf on "Australian Aboriginal Painting."

Geography Coffee Hour, 4 p.m., 319 Walker Bldg. Steve Rayner on "Human Choice and Climate Change."

Medieval Banquet, 6 p.m., Nittany Lion Inn Ballroom. Presenting a medieval comedy about Noah's Ark, "The Wakefield Noah." For tickets, call 865-1367.

Dance Program, 8 p.m., White Hall Dance Theatre, 132 White Bldg. Presenting "Spring Choreographers Showcase."

Also, 8 and 8:45 p.m., 2:30 p.m. School of Music, 8 p.m., Schwab Aud. Opera Theatre. Tickets required, call 863-0255.

**Saturday, April 8**  
Little International Livestock Exposition, Ag Arena.

Shaver's Creek, 7 a.m. Waterfowl Watch. Call 863-2000.

Center for Academic Computing, 9 a.m.-4 p.m., Classroom Bldg. Event focuses on instructional applications of technology.

Roger C. Schank, keynote speaker, on "Learning and Multimedia Software Development." Preregistration required, call 863-4556.

Medieval Technology Fair, noon-5 p.m., Gymnasium I, Intramural Bldg. Through April 9.

The Nittany Lion Gymnastics Team hosts the 1995 NCAA Men's Gymnastics Championships East Regional, 7:30 p.m., Rec Hall. Call for tickets at 863-1000.

Gallery Talk, 1 p.m., Christoffers Lobby, Palmer Museum. Elam Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 7 p.m., Recital Hall. Eileen Yarrison, flute.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Will Rogers Folies. Tickets required, call 863-0255.

School of Music, 8 p.m., Schwab Aud. Opera Theatre. Tickets required, call 863-0255.

**Sunday, April 9**  
Palm Sunday.  
Daylight Savings time begins.

Gallery Talk, 2 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "Old Masters at the Palmer."  
Shaver's Creek, 2 p.m. John Behe on "Let's Go Trout Fishing." Call 863-2000.  
School of Music, 4 p.m., Recital Hall. Penn

See "Calendar" on page 16

# LECTURES

## April 7 talk by neuroscientist to focus on hormones and the brain

Bruce S. McEwen, a leading neuroscientist from The Rockefeller University, will give the Sol Kramer Lecture in the College of Health and Human Development on Friday, April 7. He will speak on "Hormones, Genes, and the Brain: Linking Nature and Nurture" at 11:15 a.m. in Board Room 2 of the Nittany Lion Inn.

The Sol Kramer Lecture Series brings visiting scholars to Penn State to lecture on topics in ethology (the study of biological and evolutionary influences on behavior), developmental genetics, or biophysical aspects of health and illness.

The series honors the memory of Sol Kramer, former research professor of ethology at the University of Florida and a friend and colleague of Evan Pugh, dean emeritus of the former College of Human Development at Penn State.

Dr. McEwen is head of the Harold and Margaret Milliken Hatch Laboratory of Neuroendocrinology at The Rockefeller University. He studies the effects of hormonal processes on health and development.

He was one of the first investigators to identify and characterize receptors

for steroid hormones in brain tissue, and his work helped show a role for the hippocampus in neuroendocrine regulation. More recently he has begun to distinguish between the destructive and protective effects of adrenal steroids on the brain. He also has co-authored several papers demonstrating the reversibility of certain kinds of retrograde amnesia.

He is president of the International Society for Neuroendocrinology, a past chair of the Board of Scientific Counselors of the National Institute of Mental Health, and a former counselor of the Society for Neuroscience. He has chaired the neuropsychology study section for NIMH, is associate editor of the *Journal of Neuroscience*, and has been on the editorial board of nine other journals.

He currently is a member of the MacArthur Foundation Health and Behavior Network. He holds Fellow status in both the American Association for the Advancement of Science and the American Academy of Arts and Sciences.

The Sol Kramer Lecture Series was established with a gift from Nancy F. McDonald of Gainesville, Florida.

## Harvard professor presents lectures in physical sciences

Bertrand I. Halperin, Hollis Professor of mathematics and natural philosophy of the Department of Physics at Harvard University, will present the Russell Marker Lectures in the Physical Sciences March 28, 29, and 30 at the University Park Campus.

The lecture series, titled "Quantum Mechanics and Electrons in Strong Magnetic Fields," is sponsored by the Department of Physics and the Eberly College of Science and is free to the public.

The schedule includes three lectures intended for a general audience: "Electrons in Strong Magnetic Fields," 8 p.m., Tuesday, March 28, 119 Osmond Laboratory; "The Quantum Hall Effects—Quantized and Unquantized," 3:30 p.m., Wednesday, March 29, 101 Osmond Laboratory; and "Fermion-Chern-Simons Theory and the Partially Filled Landau Level," 3:30 p.m., Thursday, March 30, 101 Osmond Laboratory. The series also includes one more specialized seminar, "Quantum Spin Chains in Theory and Experiment," 3:30 p.m., Tuesday, March 28, in 101 Osmond Laboratory.

Dr. Halperin is a leading theoretical condensed matter physicist. He has made pioneering contributions in advancing the understanding of critical phenomena, disordered systems, magnetism, metal-insulator transitions, two-dimensional systems, and electrons in strong magnetic fields.

In recognition of his contributions, he was awarded the Oliver E. Buckley Condensed Matter Physics Prize of the

American Physical Society in 1982. He is a Fellow of the American Physical Society and a member of the National Academy of Sciences, the American Philosophical Society, and the American Academy of Arts and Sciences.

Dr. Halperin earned his bachelor of arts degree from Harvard University in 1961 and his master's and doctoral degrees at the University of California, Berkeley, in 1963 and 1965, respectively. He joined AT&T Bell Laboratories as a member of the technical staff in 1966 after spending one year at the Ecole Normale Supérieure of the University in Paris on a National Science Foundation Postdoctoral Fellowship.

He left AT&T Bell Laboratories to accept a professorship at Harvard University in 1976. He was appointed a Mallinckrodt Professor of Physics in 1982 and named to his current chair in 1982. He served as the chairman of the Department of Physics between 1988 and 1991. During his tenure at Harvard, he has served as mentor to a large number of doctoral students and postdoctoral scientists who have gone on to research and academic positions in the nation's most prestigious institutions and research laboratories.

The Marker Lectures were established in 1984 through a gift from the late Russell Earl Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth-control pill.

## Evan Pugh Professor to weigh nature vs. nurture on April 6

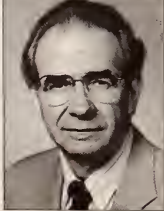
"Nature and Nurture: Two-Part Harmony" will be the topic of a research lecture by Gerald E. McClearn at 4 p.m. Thursday, April 6, in 209 Henderson Building South on the University Park Campus.

Dr. McClearn is this year's recipient of the Pauline Schmitt Russell Distinguished Research Career Award, sponsored by the College of Health and Human Development. The award recognizes a Health and Human Development faculty member who has made outstanding research contributions to the field across a major portion of his or her career; the recipient presents a public lecture highlighting his or her research.

Dr. McClearn, an internationally recognized behavioral geneticist, is Evan Pugh Professor of health and human development, director of the Center for Developmental and Health Genetics, and a former dean of the college. He directs three major studies involving the role of genetics in aging.

Dr. McClearn is past president of the Behavior Genetics Association and has been elected to the Academy of Behavioral Medicine Research. In 1989 he received the Dobzhansky Memorial Award for Eminent Research in Behavioral Genetics from the Behavior Genetics Association.

Leo P. Russell, a graduate of the industrial engineering program at Penn State, established the Distinguished Research Career Award in honor of his late wife, Pauline Schmitt Russell, who received a bachelor's degree in home economics in 1948.



Gerald E. McClearn

## Leading researcher to give Ag Sciences lectures in April

A research scientist renowned for his work in developing disease-resistant crops will deliver the 1995 Penn State College of Agricultural Sciences Distinguished Lectures.

Roger Beachy, head of the plant biology division of the Scripps Research Institute in La Jolla, Calif., will give a talk titled "Biotechnology to Develop Disease-Resistant Crops: National and International Implications" at 7:30 p.m. Thursday, April 27, in 101 Agricultural Sciences and Industries Building on the University Park Campus.

The award-winning plant pathologist also will deliver a technical lecture on "Pathogen Chemical Resistance: Using Capsid Proteins and Movement Proteins to Interrupt Virus Infections" April 28 at 10 a.m. in 101 Agricultural Sciences and Industries Building. The lectures, hosted by the Department of Plant Pathology, are open to the public.

Dr. Beachy has done groundbreaking work in genetically manipulating the immune defenses of particular plants to make them resistant to viruses.

"The whole idea of engineering foods is one that the public mistrusts," he says. "The first Green Revolution changed agriculture by introducing chemicals and pesticides to improve crops. The beauty of the biotechnology revolution is that genetically engineered disease-resistant plants don't require any treatment for the crop, reducing the need for chemicals."

Dr. Beachy, who is co-director of the International Laboratory for Tropical Agricultural Biotechnology at the Scripps Research Institute, serves as a consultant to Monsanto Co. in St. Louis and to the Keygene Company in The Netherlands. He received his bachelor's degree in biology from Goshen College in Indiana and received a doctorate in plant pathology from Michigan State University. He also received the 1990 Ruth Allen Award for outstanding contributions to plant pathology and the 1991 Commonwealth Award for Science and Invention.



Roger Beachy



## G. Gordon Liddy at Eisenhower on March 27

G. Gordon Liddy will speak at 8 p.m. Monday, March 27, in Eisenhower Auditorium.

Mr. Liddy, now a nationally syndicated talk show host, served nearly five years in prison for his role in the June 1972 break-in at Democratic National Committee headquarters in the Watergate office complex in Washington, D.C.

Mr. Liddy's lecture topic is "Survive or Prevail." According to the background provided by the agency representing Mr. Liddy, the central message of the lecture is "the importance of striving to prevail where others simply survive, whatever your field of endeavor."

The event is sponsored by Penn State Young Americans for Freedom (YAF), with the co-sponsorship of WMAJ Radio and Young America's Foundation.

Tickets are free. They are being distributed by YAF and in 225 HUB—with a maximum of two tickets for one person.

## East Asian Studies lecture on March 27

Masao Miyoshi, Hajime Mori Professor of Japanese, and comparative literature at the University of California, San Diego, will present an East Asian Studies lecture, "Kenzaburo of the Ambiguous and Japan," at 4 p.m. Monday, March 27, in Room 102 Weaver at University Park.

His lecture will be a cultural critique of the 1994 Nobel Laureate speech delivered in Stockholm by Japanese novelist, Kenzaburo Oe, titled "Japan, the Ambiguous, and Myself."

Dr. Miyoshi, a prominent figure in Japanese literary and cultural studies, is the author of *Accomplices of Silence* (Berkeley), *Postmodernism and Japan* (Duke), *Japan in the World* (Duke), and *Off Center* (Harvard).

## Faculty/Staff Alerts

### Long distance calling program

Penn State and AT&T are pleased to announce increased discounts on every direct dialed call placed from residential telephone lines enrolled in our faculty and staff long distance calling program, True PSU.

Effective March 1, the discounts will increase from 20% to 30% off AT&T domestic direct dial rates and 15% to 20% off international direct dial rates.

Full-time Penn State faculty and staff are eligible to sign up for True PSU and receive these new discounts. There are no monthly service fees, no minimum monthly expenditures, and enrollment is free.

Questions regarding True PSU should be directed to the Penn State Office of Telecommunications at (814) 865-8311 or the AT&T Customer Service Center at 1-800-991-4PSU (4778).

### Arnold lecture

The Speech Communication Association is sponsoring the Carroll C. Arnold Annual Distinguished Lecture in honor of Dr. Arnold, professor emeritus of speech communication. The Arnold lecture will be delivered in plenary session at the SCA convention and will highlight the ongoing research of one of the association's most distinguished researchers.

Dr. Arnold was named "The Teacher of the Field" when he retired from Penn State in 1977.

### Healthy Happenings

The Office of Faculty/Staff Health Promotion continues to offer more programs to enhance your well-being; to register for the following programs, contact Jan Hawbaker at 865-3085 or JQH3@PSUADMIN.

■ **Weight Watchers AT WORK**, March 29-May 31—A 10-week spring series of the Weight Watchers AT WORK begins on Wednesday, March 29, at the University Park Campus. Learn how to develop and maintain healthful eating and exercise habits in

an informal, supportive group setting. Meets on Wednesdays, from noon-1 p.m. in the Paul Robeson Cultural Center Auditorium. Cost is \$100 (Life-time members, \$90); a split payment plan is available, and Master Card and VISA are accepted. New members are welcome any time during the series.

■ **An Ounce of Prevention: Colorectal Cancer**, April 3—Colorectal cancer is one of the most common forms of cancer, as well as the most treatable, if detected early. Come to this discussion and learn from a local physician ways to prevent, detect, and treat this disease. Free take-home colorectal screening kits will also be available. Meets 12:30-2 p.m. in 323 HUB. Cost is FREE.

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

■ **Managing Your Professional Development Plan (PRO 052)** Goal is to provide staff with tools that will help them to create practical development plans that work. These plans are provided for staff by the University's new Staff Review and Development Plan. Meets Tuesday, April 18, 1:30-3 p.m. in 101 Kern; cost: none.

■ **Introduction to Filemaker Pro 1.0 (MAC 005)** Will show you how to set up lists, sort and select from them and how to print custom and standard reports. Meets Thursday, April 20, 1-5 p.m. in 117 Wagner; cost: \$70.00.

■ **Introduction to IBIS (ADC 003)** Designed to enable new users to use IBIS Integrated Business Information System. Meets Thursday, April 20, 9 a.m.-noon in 116 Wagner; cost: \$40.00.

■ **How to Structure and Provide On-the-Job Training (PRO 027)** Provides participants with a systematic

process for developing and delivering on-the-job training. Meets Thursdays, April 20 and 27, 1:15-4:45 p.m. in 319 Rider; cost: \$55.00.

■ **Customer Service for Managers (C05 002)** Teaches people at every level of the organization how to exceed customer expectations. Meets Friday, April 21, 8:15 a.m.-4:45 p.m. in 319 Rider; cost: \$55.00.

■ **Facilitator Training 1 (CQ1 005)** Covers the skills necessary for group facilitation, managing the group process, encouraging participation and making decisions in teams. Meets Tuesday, April 25, 9 a.m.-4 p.m. in 319 Rider Building; cost: None.

■ **Using ISIS AIDA (ADC 011)** Designed to help participants learn how to extract selected information from ISIS using the appropriate AIDA, and to custom print reports for student lists, enrollment figures, retention statistics, and instructional activity data. Meets Wednesday, April 26, 8:30 a.m.-noon in 116 Wagner; cost: \$40.00.

■ **Photoshop (MAC 010)** Presents students with all of the basic information they need to use the program and introduces them to several more advanced capabilities of Photoshop. Meets Thursday, April 27, 9 a.m.-4 p.m. in 117 Wagner; cost: \$90.00.

■ **Coping Strategies (DIV 003)** Focuses on strategies, experiences and skills to maintain your cultural identity and achieve a level of success at Penn State. Meets Friday, April 28, 1:30-5 p.m. in 319 Rider; cost: None.

■ **Improving Your Personal Effectiveness (PER 003)** Offers step-by-step guidelines for taking control of both your personal and professional life. Meets Friday and Wednesday, April 28 and May 3, 8:30 a.m.-noon in 319 Rider; cost: \$55.00.

## Conference on the Middle Ages at University Park on April 7-9

Stone carving and masonry, house construction and cathedral arches, metal working and milling are only a few of the medieval technologies that will be discussed during "The Cathedral, the Mill, and the Mine: Technology in the Middle Ages, April 7-9 at University Park.

The conference will include two days of paper sessions, two days of technology fair, and a medieval banquet and play. Paper sessions will cover medieval technology such as water power in England, high gothic architecture, mechanization and the medieval economy and reconstructing a medieval house. The sessions will run from 9 a.m. April 7 through noon April

8 at the Nittany Lion Inn.

If you've ever wondered what holds up a cathedral arch, or how stone blocks get so square, visit the Technology Fair from 12 to 5 p.m., April 8-9 in the Gymnasium 1 in the Intramural Building. Vincenzo Palumbo, master stone carver on the National Cathedral in Washington, D.C., will explain medieval stone carving; Joseph Conway, Penn State professor of engineering mechanics, will show what holds up an arch; Joel Bless, master glassblower, will demonstrate glassblowing; and Robert Rich will explain the technique of manuscript illumination which turned medieval books into works of art.

If you are interested in medieval bars, building techniques in the New World, waterwheels, trip hammers, grain milling and weaving, the Technology Fair is the place to learn more and actually see how these traditional crafts were done and how they evolved. Mining, metallurgy and blacksmithing also will be featured, with displays of casting methods, coin striking and goldsmithing.

A medieval banquet will be held at 6 p.m. Friday in the Nittany Lion Inn Ballroom. A medieval comedy about Noah's Ark, "The Wakefield Noach," directed by Michael Connolly, Department of Theater Arts, and music provided by the Nova Consort, will be the

evening's entertainment. Tickets are \$19.95 per person and may be purchased through the History Department secretary, Karen Ebeling, 865-1367.

During the Technology Fair, the Pennsylvania Military Museum in Gettysburg will have demonstrations of medieval weapons, including crossbows, armor and late medieval firearms. Also, tours of the blast furnace at Curtin Village will be conducted.

For more information on the conference or Technology Fair contact Vickie Ziegler, director, or Tammie Stavros, at the Center for Medieval Studies, 108 Weaver Building, 863-7484, FAX 863-7840.

## College of Engineering open house on April 1

Approximately 2,500 high school students and their families will travel from eight states to University Park for the 1995 College of Engineering Open House, Saturday, April 1, 9:30 a.m. until 3:30 p.m. The event is open to the public. Visitors can see demonstrations and working displays throughout the college.

The Penn State artificial heart (bioengineering), a plastic injection molding machine turning out key rings (industrial engineering), the Breazeale Nuclear Reactor (nuclear engineering) and free Penn State Creamery ice cream (agricultural and biological engineering) are examples of Open House activities. The day also offers Q&A sessions on academics, financial aid and student programs and organizations as well as regularly scheduled bus tours.

All engineering departments will be open to visitors. In addition to providing lab tours and demonstrations, faculty members and students will be on hand to answer questions and discuss various majors.

Open House gives prospective and current students a chance to understand what each major involves. The event provides information about engineering majors and facilities in the colleges of Engineering and Earth and Mineral Sciences and introduces participants to the University Park Campus.

Specialty engineering organizations and programs will have students, staff and faculty members on hand throughout the day to provide information and answer questions at the following sites throughout the day: Commonwealth Campuses, 108 Sackett; the Society of Women Engineers and the Engineering Undergraduate Student Council, 107 Sackett; ROTC Programs, 109, 110, and 111 Sackett; Minority Engineering Program, 323 Sackett; Women in Engineering Program, 128 Sackett; Career Development and Placement Services, Kunkle Lounge; and Engineering Career Opportunities, 206 and 208 Hammond.

Engineering Open House Registration and the general information desk are on the first floor of Kunkle Lounge, the glassed-in area at the College Avenue end of Hammond Building (across from the Corner Room).



**Be there**

Mike Immel, supervisor of the Manufacturing Systems Lab; Dan Mahoney, president of the Engineering Undergraduate Council; and Brenda Porterfield, program assistant for the Minority Engineering Program all display key chains that will be manufactured on the spot (using the plastic injection molding machine just behind them) for visitors during the annual Engineering Open House from 9:30 a.m.-3:30 p.m. Saturday, April 1.

## Faculty Senate News

### Termination of tenure-protected faculty discussed

The University Faculty Senate's Standing Joint Committee on Tenure on March 14 unveiled for the Senate a proposed revision of procedures for terminating tenure-protected faculty that is intended to better protect both the interests of faculty and the University administration.

The revisions are based on existing policy (HR-23, promotion and tenure procedures and regulations) and a statement on procedural standards in faculty dismissal proceedings that was jointly prepared by the American Association of University Professors and the Association of American Colleges that is viewed as the national standard on this issue. The revisions were up for discussion only, and will probably come up for Senate action later this year.

John Nichols, chair of the committee, said the revisions do not create new policy. He said the changes, if adopted, would:

- require that hearings be held before a faculty member is removed;
- separate the adjudication process from the termination process;
- place the burden of proof on the University;
- clarify the proper roles of the University president and the faculty; and
- codify procedures that all need to know.

If the revisions are accepted, Dr. Nichols said, "there would be no losers." The revisions "are not a declaration of open season on faculty," he said, nor are they intended to hamper the administration when it needs to remove a faculty member for appropriate reasons.

The committee's report says that existing procedures "are inadequate and urgently need to be revised," having been "overtaken by recent court rulings, the end of higher education's exclusion from the federal age discrimination law, changing economic conditions, and the growing demand that state universities be more accountable to the public."

The report says the revisions resulted from committee members' concerns that "existing regulations and procedures for terminating tenured and tenure-eligible faculty do not fully protect the interests of either the University or the faculty whose cases are heard by the committee and that the University may encounter serious internal or external problems if it does not confront this delicate and complex situation."

According to Senate records, only six cases have been heard by the committee since HR-23 was last updated, and none of those cases dealt with academic incompetence or financial exigency. "Despite economic hard times in American higher education in recent years, terminations due to financial exigency are relatively rare," says the committee's report.

In a related matter, the Senate also adopted several changes to HR-23 that deal with statements from tenure candidates, communication with tenure candidates, the minimum number of external referees and the kinds of statements they can make, and other tenure issues.

Other Senate action included:

—Hearing University President Job Thomas ask Senate members to urge legislators to increase the state allocation to Penn State (see accompanying remarks on page 1);

—Changing some rules affecting standing committees, ex officio membership and student membership of the Senate, and the approach the Senate Commonwealth Educational System Committee should take in reviewing CES-based degree programs;

—Hearing a report on the "equity model," which is used to distribute funding among CES campuses, and

—Recognizing Senate Secretary George George Bugyi for 25 years of service by presenting him with two certificates and a Penn State chair. One of the certificates noted that Dr. Bugyi can "always be counted on to go the extra mile in service to Penn State's faculty."

The Senate will next meet at 1:30 p.m. on April 25 in Room 112, Kern Building.

## Penn State Harrisburg names advisers

Five community leaders have been added to the Penn State Harrisburg Board of Advisers.

Approved recently by President Thomas, the new additions to the board are area residents James D. Coleman, James L. Taylor, Paul C. Coppock and Howell C. Mette. Also named as ex-officio member of the board is Middle-town Mayor Barbara Layne.

The Penn State Harrisburg Board of Advisers has been instrumental in assisting the college in its achievement of many University goals and has provided a valuable service in advising the administration in the development of the physical plant, academic programs, fundraising activities and community relations efforts.

Ms. Coleman, president and general manager of WITF, Inc., came to Harrisburg last year from KNPB-TV, the public broadcasting station in Reno, Nev. At WITF, she is responsible for oversight of all WITF operations including TV 33, FM 89.5, "Apprize" magazine, Radio Pennsylvania, the NetSource business training channel, and COMLINK satellite link, teleconferencing and video production services.

She holds a bachelor's degree in English from Barnard College, a master's in educational psychology and doctorate in sociology from Columbia University.

Mr. Taylor, president and CEO of Penn National Insurance Companies since 1990, is a resident of Mechanicsburg. A native of Texas, he holds a bachelor's in business administration with a minor in economics from Pan American University, Edinburg, Texas.

Since 1994, Mr. Coppock has served as senior vice president, chief administrative officer, general counsel and secretary of Harco Corporation, Camp Hill.

Associated with the firm since 1981, he also has served as corporate counsel, assistant secretary and secretary. Prior to his most recent promotion, he was vice president, general counsel and secretary. He holds a bachelor's degree in finance from Lehigh University and a law degree from Villanova University.

Mr. Mette, a senior partner in the Harrisburg law firm of Mette, Evans and Woodsides, is a Phi Beta Kappa graduate of Dickinson College and earned degrees from Dickinson School of Law and New York University School of Law.

A recognized authority in taxation, he has served as an adjunct professor for federal taxation courses at Dickinson since 1952, and received an honorary doctor of law degree from there in 1985.



## Arts

continued from page B

Awards, features more than 300 works of art and portfolios from six area school districts. These two- and three-dimensional art works will be judged and sent for further competition in Harrisburg.

### Kern exhibitions

The Kern Exhibition Area at University Park will feature the photography of Helena Lukas Martemucci through April 11.

The exhibit includes photographs of children, peppers, and other treasures, which explore the home as a small but unconfining place.

Ms. Lukas Martemucci is a MFA candidate in the School of Visual Arts.

Also featured in Kern are architectural sculptures from fifth-year architectural students. The exhibit, titled "Anticipating Dionysus (Spatial Anomalies)," runs through April 16.

The Kern Exhibition Area is on the first floor of the Kern Graduate Building. Exhibition hours are 8 a.m. to 11 p.m. Monday through Friday; 10 a.m. to 11 p.m. on Saturday, and noon to 11 p.m. on Sunday.

### Symposium

Six Old Master paintings from the permanent collection of the Palmer Museum of Art will be the focus of an international symposium to be held from Friday, March 31, through Sunday, April 2, at the museum on the University Park Campus. The symposium, "Continuity, Innovation, and Continuity: Old Master Paintings at the Palmer Museum," will be presented by seven distinguished international scholars. Their discussions will center on change within Renaissance and Baroque artistic traditions.

The keynote address will be given by Maria Gregori, chairperson of the art history department of the University of Florence, Italy. Other panelists for the symposium will include Bernard Aikema, professor at the Catholic University of Nijmegen, The Netherlands; Dottoressa Francesca Baldassarri, an independent scholar from Florence; Philippe Costantini, an independent scholar from Paris; Heidi J. Hornik, assistant professor at Baylor University; Erich Schleier, curator of Italian, French, and Spanish painting at the Berlin Museum; and Leonard J. Slatkes, professor at Queens College. Admission to the symposium is free, however, reservations are required. For more information contact the Palmer Museum Monday through Friday, 8 a.m. to 5 p.m., at (814) 865-7672.

### Odyssey on WPSU

One of the next episodes of Odyssey Through Literature, Robert Edwards discusses the complexities involved in "The Franklin's Tale" by Geoffrey Chaucer, a problematic tale of love, honor, and freedom.

He and host Leonard Rubinstein explore the question that the tale poses, "who is the most free?" We soon discover, Edwards says, that "which level sort of gives way to a deeper complicity."

On the April 5 episode, William Peterson of the Penn State history department discusses Romanus the Melodist, a fifth century Christian poet, and his

"Hymns of the God Before Time."

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature in the audio studios of WFSU-TV. It airs Wednesdays at 7 p.m. on WFSU, 91.5 FM.

### "Spring Choreographers Showcase"

The Dance Program at Penn State presents the Spring Choreographers Showcase at 8 p.m. Friday, April 7; 2:30 p.m. Saturday, April 8, and 2:30 p.m. Sunday, April 9, in the White Hall Dance Theatre located in 132 White Building on the University Park Campus.

The performance will feature University Dance Company and will range in style from ballet to modern, from lyrical to the dramatic.

Tickets are \$5 for general admission, \$4 for students.

### Shaver's Creek events

Shaver's Creek Environmental Center at Penn State will offer the following public programs in April:

■ **Waterfowl Watch**, Saturday, April 8, 7 to 8:30 a.m. Loons, grebes, ducks, and migrating terns and gulls are all possible sightings. Participants should bring binoculars.

■ **"Let's Go Trout Fishing"**, Sunday, April 9, 2 to 3:30 p.m. John Behe, a volunteer from the Pennsylvania Fish and Boat Commission, will talk about equipment, lures and baits, and finding "hot spots."

■ **Beaver Paddle**, Friday, April 14, 6:30 to 10 p.m. After a short indoor program on the beavers of Shaver's Creek, participants will canoe by moonlight to investigate the marshy areas, banks, and beaver lodges of Stone Valley Lake.

■ **"Whose Egg is It?"**, Saturday, April 15, 1 to 2 p.m. This program is for preschool through elementary school children, who will look for eggs that have been decorated and camouflaged to resemble wild bird and reptile eggs.

■ **Woodcock Walk**, Friday, April 21, 7 to 9 p.m. Participants should bring a blanket or other material to sit on; they will learn about the habits of this unusual bird and try to witness its spring mating ritual.

■ **Nature and Wildlife Photography Workshop**, Saturday, April 22, 10 a.m. to 2 p.m. This workshop is designed for beginners. Those attending should bring a camera, at least two rolls of print film, and a notebook.

■ **Spring Wildflower Walk**, Sunday, April 23, 2 to 4 p.m. The walk will include folklore, facts, and stories about local woodland flowers.

Preregistration is required for each of these programs. For information and registration is available by calling Shaver's Creek at (814) 863-2000 or (814) 667-3424. Interested persons can also either number to receive a free copy of Shaver's Creek seasonal program guide.

### Centre Stage '95

Pennsylvania Centre Stage, the summer professional theatre at Penn State, announced its '95 season that will feature four productions in June and July. The schedule includes a children's show, two comedies and a musical thriller.

The season opens with an adaptation of "Alice in Wonderland," written by Lewis Carroll, the pen name of Oxford professor Charles Ludwidge Dodgson.

"Alice in Wonderland" shows at 10 a.m. June 3, 9 and 10; 1 p.m. June 10; 4 p.m. June 3 and 7 p.m. June 2 and 9. Individual performance tickets for this show will be available at the box office. Seats are only on sale now. Prices are \$6 for general admission and \$4 for students and children.

"Greater Tuna" looks at life in Tuna, the third smallest town in Texas.

"Greater Tuna" plays at 8 p.m. June 16, 17, 20-24, 27-30 and July 1. Previews are at 8 p.m. June 14 and 15. Matinees are at 2 p.m. June 24 and July 1.

The third production in the '95 season is "Sweeney Todd," a musical thriller based on the story of Sweeney Todd—"the demon barber of Fleet Street."

"Sweeney Todd" shows at 8 p.m. June 30, July 1, 6-8, and 11-15 and at 6 p.m. June 24. Previews are at 8 p.m. June 28 and 29; matinees are at 2 p.m. July 5, 8, and 15.

"You Can't Take It With You" debuted in the 1930s, but still delights audiences with its wacky, endearing, story of the Vanderhoff-Sycamore family. The family members, dedicated to living rather than to society's standards, pursue their fancies with flair and without remorse.

Carole Brandt, who is familiar to many Centre Stage fans, returns to direct the comedy. Ms. Brandt served as Centre Stage's artistic director for six seasons, and directed such crowd-pleasers as "1776," "A Shynayn Maidele," "Nursense," "George M!" and "Funny Girl."

"You Can't Take It With You" plays at 8 p.m. July 14, 15, 18-22, and 25-29. Previews are on July 12 and 13; matinees are at 2 p.m. July 22 and 23.

Subscriptions include all shows except "Alice in Wonderland." For a free season brochure, contact the Eisenhower Auditorium Ticket Center.

### Students interpret Rembrandt

An exhibit titled "Selection of Student Self-Portraits ala Rembrandt," is on display in the store window of Gnomon Copy, 130 W. College Ave. in downtown State College.

The exhibit will continue through the end of March and features drawings by fourth-year architectural engineering students enrolled in the Arch 442 Design Analysis and Research course taught by Richard Alden and Pier Bandini, instructors.

### "The Rendez-vous"

Dorothy E. King, adjunct professor at Penn State Harrisburg, brings her acting and writing talents to the stage of the college's Olmsted Building auditorium April 22 at 7 p.m.

"THE RENDEZ-VOUS," a drama in two parts written by and starring Dr. King and featuring stage and screen actor Sharrieff Paris, centers on the lives of a man and a woman as they face the dilemma of whether or not they should begin a relationship.

The drama will be directed by Anthony D. Hill, professor of theatre at The Ohio State University, and is being presented in cooperation with PenOwl Press Productions and the FSH Division of Humanities. Admission is free, but reservations are requested by phoning 234-3836.

Dr. King, a playwright and performance poet, is the author of seven short plays and one full-length drama with music—all focusing on male-female relationships.

## PROMOTIONS

### Staff

Jeffrey J. Johnson, program coordinator IV at The Hershey Medical Center.

Donna A. Jones, staff assistant VI in Corporate Controller's Office.

Susan J. Jones, installation security specialist in Computer and Information Systems, Office of Administrative Systems.

Joanne E. Jordan, staff assistant VIII at The Hershey Medical Center.

Sharon L. Kaylor, staff assistant VII at The Hershey Medical Center.

Darlene K. Kolivsky, staff assistant IV in Office of Student Affairs.

Teri L. Lassman, cost and space assistant in Corporate Controller's Office.

David J. Lindstrom, associate director for administrative services in Office of Student Affairs.

Patricia L. Maines, assistant bursar in Corporate Controller's Office.

Sherry L. Mettley, information systems coordinator at The Hershey Medical Center.

Kathy L. Norris, staff assistant V in Division of Development and University Relations.

George A. Patrick, manager, Financial Office Operations, in Corporate Controller's Office.

Patricia A. Phillips, marketing information coordinator in Research and Graduate School.

Timothy A. Previs, applications programmer/analyst in Computer and Information Systems, Office of Administrative Systems.

Christopher L. Rizzo, manager, Student Unions and Activities, at Penn State Erie, The Behrend College.

Carol J. Rocky, manager, Financial and Administrative Services in Computer and Information Systems, Center for Academic Computing.

Paul J. Scanlon, manager, Snack Bar, in Housing and Food Services.

Rachel E. Smith, financial officer in Corporate Controller's Office.

Barbara B. Solesky, library assistant I at Penn State Fayette Campus.

Kimberly K. Strouse, staff assistant IV in Office of Student Affairs.

Gloria J. Thomas, staff assistant VI in Corporate Controller's Office.

Stephen J. Wright, associate director, Independent Learning, in Continuing and Distance Education.

# Coming home

## University of Nebraska chancellor returns to face



He's been described as energetic, effective, imaginative and a risk taker.

He's also overwhelmingly enthusiastic about the opportunity to lead Penn State.

He's Graham B. Spanier, 46, chancellor of the University of Nebraska-Lincoln, who was unanimously named president-elect of the University at a special meeting of the Board of Trustees on March 16.

Following his election, Dr. Spanier, a former Penn State faculty member and administrator, spent the weekend on the University Park Campus with his wife, Sandra, and their two children, Brian and Hadley.

"This is truly exciting for me," he said. "Sandy and I are thrilled with this opportunity. We've gotten to meet a lot of new colleagues on campus and are getting re-acquainted with a lot of old friends."

"One of the great things about coming back home is that you start with a built-in support structure for your family. It is hard for children to move, but I'm amazed at how quickly they warmed up to Penn State over the weekend. And having dinner with Joe Paterno Friday night didn't hurt."

The president-elect, who will arrive in mid-August, joined the Penn State faculty in 1973 as an assistant professor in the then College of Human Development. He was pro-



Dr. Spanier answers questions from the media after the announcement of his appointment by the Board of Trustees.



The Spaniers, Sandra, Hadley and Graham, enjoyed a gymnastic meet over the weekend with Joab Thomas and his wife, Mary.

moted to associate professor in 1977 and was made full professor in 1981, at the age of 32. He was associate dean for resident instruction in the college when he left Penn State in 1982. Sandra Spanier earned her M.A. and Ph.D. degrees in English at Penn State and taught in the State College Area School District from 1973 to 1981.

He believes his ties to Penn State were meaningful to the Trustees in the selection process.

"I'm certain the Trustees were prepared to appoint the best person regardless, but I feel my history at Penn State and my understanding and appreciation of the institution were important to the Trustees, who are intensely loyal."

"I also think the balance of teaching, research and outreach in my own career was seen as an asset. My

very strong feelings about issues of quality and access and a concern about people, which is high in my value system, seemed to match up well with the interests of the Trustees and the Search Committee."

Dr. Spanier said that the Trustees and the Search Committee were looking for the right person—a match between the individual and the institution.

"There are certain values I bring to this institution that will show up in my agenda. People are important to me. You can't have a great university unless you have great people operating it. That means providing resources for faculty and staff at all levels to do their job. It also means having a campus climate that is open, tolerant and supportive of all people."

The president-elect expressed

*"There are certain values I bring to this institution that will show up in my agenda. People are important to me."*

concern that sometimes we lose sight of the fact that institutions like Penn State were funded principally for the purpose of educating undergraduates. "For me, that mission remains a preeminent mission of the University today."

He attributes much of his interest in undergraduate education to influences in his personal background.

"I grew up in a family of modest means and was the first person in my family network to ever go to college. I've experienced firsthand the difference that obtaining a college degree can make in one's life."

"So, for me to have the opportunity to spend my career in education is of special significance, and I want to make sure this institution is supported as well as possible so we can make a university education accessible to anyone who is looking for the opportunity to succeed."

Among the challenges facing the new president, he cited the financial challenge as foremost.

"It is my responsibility to keep the momentum going and even accelerate it in a time of scarce resources," he noted. "It may be premature to announce any specific fundraising objectives, but increasing the level of private giving will continue to be important for us at Penn State. I look forward to the opportunity to be involved. I can assure you that I'm not bashful about asking for money."

Another challenge, he said, lies in Penn State's comprehensiveness.

"This University is remarkable because of its size and diversity of programs, but that also poses special challenges," he said. "For example, the Commonwealth Educational System brings great strength to the University, but it also is difficult to support programs adequately at 23 sites simultaneously at a very high level of excellence. That particular challenge shows up in many of the documents I've seen and is an area I certainly want to learn more about."

Dr. Spanier describes his management style as being informal, with emphasis on communication and delegation.

"I believe you should hire the best people you can and support them. I delegate substantially to people with whom I work. I strongly believe in distributing responsibility



# Challenges of leading Penn State into next century



Spanier families pose for a photograph. They are, from left, Sandra Spanier, Brian, 13, Hadley, 10, and new President Graham Spanier with current President Joab Thomas and wife, Marly.  
Photos: Greg Grecio



Top: Dr. Spanier behind the podium and the mark that will become more familiar to him after Sept. 1.

Below: Dr. Spanier and Dr. Thomas take a break from the Board of Trustees meeting at The Hershey Medical Center.



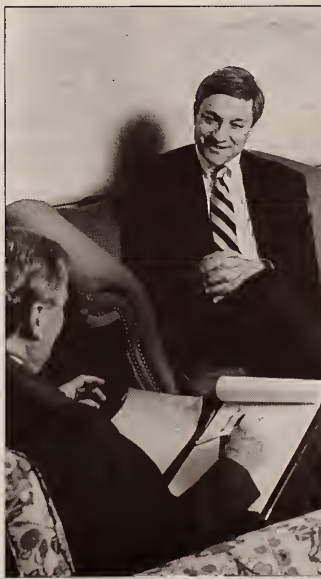
authority as fully as you can to individuals at the front lines of

so believe in very open communication. I do like to spend time with faculty and students. Students will see me often in residence halls and at student events. I also hope to get to know and meet faculty and staff. Though he's been away from campus since 1982, he's never lost his affection for the University. He always felt Penn State was a premier land grant university—a source of great reach. The quality of life on campus is admired by alumni. The quality of life on campus is admired by students as well.

impressive as these characters are, I think there is an opportunity for the University to reach an even higher level of commitment. I certainly am excited to be leading Penn State and I look forward to joining you for the beginning of the academic year." In the meantime, he'll continue to work with the good-natured kid without leaving a University. No 1 ranked football team leading one whose team was second.

"I've heard a lot about that," he says, "but I point out that there's a reason every fall. Nebraska has been named No. 1 this year, but I'm quite certain that that date will be No. 1 next year."

—Bill Campbell



During an interview with former Intercom editor Bill Campbell, Dr. Spanier explains his pending responsibilities to keep the momentum going.

## Spanier continued from page 1

At Penn State, Dr. Spanier moved quickly through the professorial ranks. Starting as an assistant professor in 1973, he was promoted to associate professor in 1977 and was made full professor in 1981, at the age of 32. His first administrative appointments at Penn State began in 1977, when he was appointed as both professor-in-charge of the undergraduate program in the Division of Individual and Family Studies, College of Human Development, and as divisional professor-in-charge of individual and family studies, serving in those dual posts for two years. In 1979, he was named associate dean for resident instruction in the College of Human Development, a position he held until leaving Penn State in 1982.

Dr. Spanier's academic appointments have been multidisciplinary throughout his career. At Penn State, his professorial appointments were in human development and sociology. At Stony Brook, they were in sociology and psychiatry; at Oregon State, in human development and family studies and sociology. At Nebraska, he is professor of sociology, professor of family and consumer sciences, and professor of family medicine in the College of Medicine.

Dr. Spanier holds a number of national leadership positions in higher education, including the Board of Presidents of the Commission on Information Technology of the National Association of State Universities and Land

Grant Colleges, the Commission on Women of the American Council on Education, the NCAA Presidents Commission, and the Joint Commission on Accountability Reporting. He has been president of the National Council on Family Relations, has chaired the American Sociological Association Family Section, is a clinical member and fellow of the American Association for Marriage and Family Therapy, and has served as chairman of the Board of Directors of the Christian Children's Fund.

A prolific scholar, Dr. Spanier has authored or co-authored 100 publications, including 10 books. His primary areas of teaching and research interest are in marriage and the family, particularly the quality and stability of marriage across the lifespan, family demography, and family policy.

In his spare time, he enjoys aviation, magic, and athletics. He has a commercial pilot's license, which he earned at the University Park Airport in State College. He is a magician and an avid fan of a broad range of intercollegiate sports. His wife, Sandra, is an English professor specializing in 20th Century American Literature. Dr. Sandra Spanier earned her M.A. and Ph.D. degrees in English at Penn State and taught in the State College Area District from 1973 to 1981. The Spaniers have two children, Brian, 13, and Hadley, 10.

## Faculty proposals sought Institute encouraging experiments in active and collaborative learning

The Institute for Innovation in Learning is soliciting faculty proposals for designing and implementing innovative learning modules in undergraduate courses. The institute is particularly interested in fostering experiments in active and collaborative learning. Active learning develops advanced cognitive skills, rather than recall and a devotion to life-long learning over one-time mastery. Collaborative learning utilizes cooperative work among students to achieve higher academic performance.

Filrot projects are under way this semester in Agricultural Sciences, Health and Human Development and the Eberly College of Science. These include employing e-mail to create virtual project teams; substituting student initiated group research projects for standard laboratory exercises, and employing student teams in laboratory sections.

The institute hopes to sponsor more than 30 faculty projects during the coming academic year. Support includes the funding of student interns, small grants (under \$750), consultations on instructional design, and team training resources. Faculty selected to conduct projects will be appointed Fellows of the institute.

The deadline for projects scheduled for Fall 1995 is April 17. The first round deadline for projects scheduled for Spring 1996 is May 15. For further information, application forms, project selection criteria or consultation call 865-8681 or e-mail [III@psu.edu](mailto:III@psu.edu).

## Library at Schuylkill Campus to be dedicated on April 13

University, campus and community leaders will gather at the Penn State Schuylkill Campus on April 13 to celebrate the dedication of the Ciletti Memorial Library.

The \$2.6 million facility is named in honor of the late Frederick M. Ciletti, a long-time University teacher and administrator who started his career at the Schuylkill Campus. His last assignment at the University was as special assistant to the president for governmental affairs.

President Thomas will present remarks at the ceremony, along with Wayne D. Lamore, campus executive officer. One million was raised locally for the construction of the facility. The balance of the funding was provided by the Commonwealth of Pennsylvania's capital budget. Local leadership gifts of \$100,000 each were received from Cresona Aluminum, Meridian Bancorp, and Pennsylvania National Bank.

The three-story building also houses a computer and writing laboratory, audio-visual laboratory, center for academic achievement and reading room. The centerpiece of the new library is a large three-panel painting by the noted American artist George Luks. Installed in the reading room, the work, "Necho Allen Discovering Coal," was a gift from the Pennsylvania National Bank and is valued at \$475,000.

## Oswald memorial service set for March 31 at University Park

A memorial service for President Emeritus John W. Oswald, who died Feb. 1, will be held at 2 p.m. Friday, March 31, in Eisenhower Chapel on the University Park Campus. The service is open to the public.

Dr. Oswald served as Penn State's 13th President from 1970 to 1983.

Faculty and staff attending the service are asked to park in their assigned parking places. Members of the community will be directed to the Eisenhower Parking Deck. Persons with special parking needs should call the Office of Constituent Relations at 863-0860.

## Calendar— continued from page 9

State Women's Chorus and Keynotes. Tickets required, call 863-0431.  
School of Music, 7 p.m., Recital Hall. Frühling Posaunen (Spring Trombones).

### SEMINARS

#### Thursday, March 23

Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Dennis Lott on "The Dissertation Process: School for the Seasonal Professional." Physics, 3:30 p.m., 101 Osmond Lab. Howard Stone on "Physics Results from LEP at CERN." School of Forest Resources, 3:45 p.m., 105 Ferguson Building. Jim Clark on "Scales of Fire Importance of Eastern North America."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Arup Acharya on "Structuring Distributed Algorithms and Services in Networks with Mobile Hosts."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Maxwell Fogleman, speaker.

#### Friday, March 24

School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Ed Mills on "Ecosystem Changes in North American Lakes Toward the 21st Century." Will Their Invasion by Zebra Mussels Make a Difference?

Agronomy, 3:35 p.m., 101 ASI. Fred Schniegal on "Alternative Septic Systems for Pike County, Pennsylvania."

#### Monday, March 27

Veterinary Science, 10:45 a.m., 118 ASI Bldg. James A. Roth on "Bovine Immunodeficiency-Like Virus Infection in Cattle."

Plant Pathology, 3:30 p.m., 112 Buckhout Lab. Soumaila Sanogo on "Geostatistics and Geographic Information Systems (GIS) in Analysis and Management of Plant Disease Epidemics."

#### Tuesday, March 28

Chemical Engineering, 9 a.m., 140 Fenske Lab. James Trainham on "Creating Sustainable Value through Technology."

Graduate Program in Nutrition, 4 p.m., S-208 Henderson Bldg. South. Eileen Kennedy on "Politics of Nutrition Policy."

The Colloquium Series, 6:30 p.m., 301 HUB. "Technical Writing Style: How Is Writing for Publications Unlike Other Writing?"

#### Wednesday, March 29

Gerontology, 12:15 p.m., 101 HH&D East. Carol Whitlatch on "Transitions in Caregiving Careers: Placement and its Alternatives."

#### Thursday, March 30

Veterinary Science, 8:30 a.m., 111 Herring. Sheila McGuirk on "Studies in the Treatment and Prevention of Calf Disease."

Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Patricia Beak on "CREAD: An Ongoing Example of an Inter-American Effort in Collaboration in Distance Education."

Agricultural Engineering, 3:30 p.m., 112 Kern. John Sager on "Advanced Life Support for Human Space Exploration and Colonization."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Patrick Harker, speaker.

#### Friday, March 31

Applied Research Lab, 9 a.m., ARL Aud., NEW ARL Bldg. Joachim Piel on "Methods and Instrumentation for the Measurement of Trace-Level Organic Compounds in Ambient Air and Exhaled Human Breath-Recent Developments."

Agronomy, 3:35 p.m., 101 ASI. Barbara Pennpacker on "Regulation of Resistance to Verticillium Wilts in Alfalfa."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Alvin R. Lebeck on "Tools and Techniques for Memory System Design and Analysis."

#### Monday, April 3

Condensed Matter, 3:30 p.m., 339 Davey Lab. Myrtil Sarachik on "Hopping Conduction in Doped Semiconductors."

Plant Pathology, 3:30 p.m., 112 Buckhout Lab. Dave Truxal on "Impact of Variable Inputs on Decision Making for Grape Disease Control."

#### Tuesday, April 4

The Colloquium Series, 6:30 p.m., 301 HUB. "Match: Your Paper with the Right Journal."

#### Wednesday, April 5

Gerontology, 12:15 p.m., 101 HH&D East. Rosemary Bleszner on "A Close Look at Close Friendships in Old Age."

#### Thursday, April 6

Adult, Continuing and Distance Education, noon, 201 Keller Bldg. Cheryl Keenan on "New Trends in Adult Basic Education and Literacy: A National and State Perspective."

Physics, 3:30 p.m., 101 Osmond Lab. Shiela Tobias on "Graduate Education for the 21st Century: New Programs, New Options."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Lee Schruben, speaker.

#### Friday, April 7

Agronomy, 3:35 p.m., 107 ASI. Scott Hakkom on "Yield Response of Alfalfa to Additional Application of K Fertilizer on Soils Already High in K."

### CONFERENCES

#### Friday, March 24

Utility Systems and the Facility Manager, 20 attendees. The Penn State Scanticon.

#### Monday, March 27

The Third Annual Housing Conference, 175 attendees. The Penn State Scanticon. Through March 31.

#### Tuesday, April 4

PA Faculty Sales & Service, 90 attendees, Nittany Lion Inn, through April 5.

#### Friday, April 7

The Cathedral, the Mill, and the Mine: Technology in the Middle Ages, Nittany Lion Inn. Through April 8.

#### Saturday, April 8

Penn State Green Design Conference, Nittany Lion Inn. Call 863-7688.

### EXHIBITS

HUMANITY Exhibits Cases and Panels: Central PA Scholastic Art Competition, through April 9.

#### Kern Film and Tall Cases:

"Architectural Sculptures," through April 11.

#### Kern Panels:

"Helenia Lukacs Maternucco Photography," through April 11.

#### Patmer Museum:

"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 30.

"Gift to Celebrate the New Museum," through July 15.

■ Dreamtime: Australian Aboriginal Art from the Collection of John W. Kluge, through July 16.

#### Patmer Lobby:

An exhibit highlighting the Libraries' collections in women's history. Through March.

#### Patmer Lending Services Gallery:

Patsy R. Dummire will display her photo collages of her career experiences. Through March 31.

#### Patmer West Lobby Gallery:

"Beauty and the Beet," an exhibition of flower and herbs collages by Betty Grey Fosh. Through March 31.

#### Patmer Cultural Center:

Newly acquired works by Black American artists from California, Georgia, Ohio, Pennsylvania, Texas, New York and Maryland, through March.

#### Zoller Gallery:

"Undergraduate Juried Exhibition," through March 27. "MFA Thesis Exhibition," through April 8.

■ Reflects an international perspective

### TIPS

#### Information Penn State

Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are listed—234; Arts Line—345; University Calendar—456.



# Academic Awards Convocation 1995

INTERCOM  
SPECIAL SECTION

These awards will be presented at the Academic Awards Convocation at 2 p.m. Sunday, April 2,  
in Schwab Auditorium on the University Park Campus

March 23, 1995

Volume 2, Number 1

## Four faculty members to receive Atherton Award for excellence in teaching

Four University faculty members will receive the 1995 George W. Atherton Award for Excellence in Teaching. They are: Peter Georgopoulos, associate professor of physics, Delaware County Campus; John Gutierrez, associate professor of Spanish, Italian, and Portuguese; Jennifer Jackson, assistant professor of English, and William J. Kelly, associate professor of theatre and integrative arts, University Park Campus.

The award, named after Penn State's seventh president, was established in 1989 as a continuation of the AMOCO Foundation Award. It honors excellence in teaching at the undergraduate level.

"Dr. Peter Georgopoulos is a master teacher. He involves his physics students in a problem-centered approach to learning that keeps application, critical thinking and problem-solving at the fore of his classes," says a colleague. "He is demanding; right answers are never enough. His students reason aloud, always with his guidance, explaining how they got to their solutions. Through examples (real world), illustrations and computer-designed exercises of his own construction, students learn how to learn and value what they learn."

Since joining the faculty in 1971, Dr. Georgopoulos has sustained a remarkable teaching record. He won the Delaware County Campus Outstanding Teacher Award in 1973, 1977 and 1985, an award that is based solely on student input. He also won Penn State's AMOCO Teaching Award in 1978. He has a bachelor of science degree from Long Island University in New York and a doctorate from Penn State. He started his Penn State teaching career as a graduate assistant and has taught everything from general physics to quantum physics.

Dr. Georgopoulos explains, "my love for teaching the sciences comes from the material that I teach and my interaction with students. I enjoy investigating new topics and exploring new methods that help me to be a more effective teacher. Teaching and interacting with my students energizes me and enhances the enthusiasm that I bring to the classroom."

Dr. Gutierrez' success lies in his own enthusiasm for, and devotion to, both his subject and his students. Comments from students consistently reflect this joy of teaching. "I and many other students in his class enjoy it immensely because of the informal and enthusiastic style of teaching. His classes are by no means easy. We all learn in them by being challenged and by his insistence that the concepts are understood by everyone," writes a former student.

Dr. Gutierrez is the senior linguist in the Spanish program and has willingly and enthusiastically taught a variety of undergraduate and graduate courses related to language and literature including phonology, historical linguistics, advanced composition and stylistics, second language acquisition research and advanced phonology. Next semester he adds Spanish American



PETER GEORGOPOULOS



JOHN GUTIERREZ



WILLIAM J. KELLY



JENNIFER JACKSON

dialectology to an already heavy schedule of teaching.

A University faculty member since 1988, he received his bachelor of arts and master of arts from New Mexico State. His doctorate is from the University of New Mexico.

"Cada cabeza es un mundo" is an old Spanish proverb which is a part of Dr. Gutierrez' personal teaching philosophy. Loosely translated, it means every mind is a world unto itself. "When I meet a class for the first time, I remind myself that there are 25 minds, 25 different perspectives, 25 learning styles, 25 personalities, 25 distinct sets of problems, 25 different abilities, all in the same class," he writes. "We are not dealing with machines, but with human beings and rather than denigrate their diverse background in preparation for my class, I try to meet them where they are and take them as far as I can."

Jennifer Jackson, says the Department of English, has compiled an "astounding record as a teacher" in her five years of service to Penn State. Her former students — now law students, Jesuit seminarians, police academy trainees, graduate students, BBC employees, technical writers, and high school English teachers — describe her as enthusiastic and stimulating, challenging and interesting, and caring and nurturing. They call her great, amazing, wonderful, challenging, concerned, intelligent, and her classes exciting and

life-changing.

Dr. Jackson teaches a wide variety of courses, including American literature since 1945, an honors course on postmodern literature, advanced expository writing, advanced technical writing, writing in the social sciences, and rhetoric and composition.

He classes, wrote one of her students, "affected and disturbed me profoundly. Hers were the only classes I've taken that really made me think well beyond the scope of the class and into the way that I live and those around me live — not only because of what she was discussing, but the way she did so."

Dr. Jackson herself said that she takes seriously her responsibility to her students. "As a first-generation college student, I also wish to set an example for others whose backgrounds might not have prepared them for the often alienating environment of the university," she wrote. "The desire to engage each student, and to help them all understand the seriousness of their efforts, lies at the heart of my teaching."

William J. Kelly, who in 1993 won the College of Arts and Architecture's Excellence in Teaching Award, has had a long and distinguished career as an educator at Penn State, in nearly 20 years at the University, he has taught in the Commonwealth Educational System, at the University Park Campus, and across the system through satellite-delivered distance education courses. He has helped to develop a foreign study option in the arts and humanities, created interdisciplinary programs and classes for undergraduates, developed new areas of study within the arts, and championed the use of distance learning to serve the general education mission of his college and the University.

He also has received a faculty award for advising from the Constituent Alumni Society of the College of Arts and Architecture. His creative accomplishments include the direction of "Best Friends," which was produced by WPSX-TV in 1989 and received the Corporation for Public Broadcasting's 1990 Gold Award for the best locally produced television drama. He currently is professor in charge of the Department of Integrative Arts at University Park.

One of Professor Kelly's colleagues said that he is "a highly stimulating and articulate classroom teacher who is an inspiration to his students. He generates enthusiasm inside and outside of class that motivates the student to do his or her best work."

As a teacher, Professor Kelly said, "I try in some small way to make art more accessible, known, and understood by students. I am not interested in art for its own sake nor in its 'appreciation' as a means to foster its acceptance and continuance. I see art only as a tool, as a means to make us more thoughtful, familiar, and open to one another."

## Achterberg, Cimbala recognized for distinguished teaching

Two University faculty members will receive the Milton S. Eisenhower Award for Distinguished Teaching.

Receiving the award are Cheryl Achterberg, associate professor of nutrition, and Stephen Cimbala, professor of political science at the Penn State Delaware County Campus.

Dr. Achterberg, director of the Penn State Nutrition Center in the College of Health and Human Development, teaches at the undergraduate and graduate levels and administers the Nutrition Center's nutrition resource collection, consumer information service, and consumer behavior research laboratory.

The primary goal of most professors, wrote one of Dr. Achterberg's students, is to graduate well-trained individuals in their field. But Dr. Achterberg, she continued, "has dreams for her students: to train leaders in the field of nutrition education, to develop scientists with cutting-edge research, to nurture colleagues who will continue to build on her extensive efforts in promoting nutrition education."

Observing her in the classroom is an "exhilarating experience," wrote the student. "Her teaching strategies are diversified and very engaging. Every period in her classroom is unique."

Dr. Achterberg's research focuses on the design and effectiveness of nutrition education materials and the development of food preference patterns.

She came to Penn State in 1985 as assistant professor and co-director of the Nutrition Center, was promoted to associate professor in 1991, and was named director in 1992. She earned her M.S. in human development from the University of Maine at Orono in 1981 and her Ph.D. in human nutrition from Cornell University in 1986. She also has worked as a community nutritionist for Washington County, Me.

Past honors include the 1993 Mead Johnson Research Award from the American Institute of Nutrition, the College of Health and Human Development's 1992 Dorothy Jones Barries Teaching Award for excellence in undergraduate education, and the 1993 Award for Creative Accomplishment from the National University Continuing Education Association.

Dr. Cimbala is a specialist in U.S. defense and

foreign policy. He teaches six undergraduate courses annually, regularly teaching the introductory political science general education courses.

Dr. Cimbala, a colleague wrote, "is a master teacher-scholar whose approach to teaching and learning is highly participatory. His students are involved in a collaborative learning enterprise — working in groups, leading discussions, engaging in commentary and critique. They read, think and write critically. They come to class prepared to debate, to respond, to exchange ideas and to learn from one another. The results are shared insights and learning made relevant."

His teaching, wrote a former student, "gets nearly all the students in the class enthusiastically involved in the subject of world politics at least one time or another. . . . Students' input seems to really get him going, and he is extremely receptive to new ideas and concepts."

Instead of viewing political science "as a mere body of knowledge," Dr. Cimbala suggests that students learn to appreciate the subject "as a tool kit for improving answers to perennial questions. By emphasizing discussion and other seminar-like behaviors within the setting of an introductory course, I attempt to bring out in students a new sense of self-awareness about their potential as creative learners."

Dr. Cimbala came to the Delaware County Campus in 1973 as associate professor and was promoted to full professor 13 years later. He was the campus' chief academic officer from 1973 to 1981.

A prolific scholar, he has written 14 books since 1987, including *Clausewitz and Escalation, Force and Diplomacy in the Future and U.S. Nuclear Strategy in the New World Order*. His most recent work was *Military Persuasion*, published by Penn State Press. He also has served as contributing editor to 14 books since 1984 and written numerous journal articles and chapters for books.



CHERYL ACHTERBERG



STEPHEN CIMBALA

**The Milton S.  
Eisenhower Award  
for Distinguished  
Teaching recognizes  
innovative and  
engaging teachers  
who bring to each  
class their love of  
learning.**

## Abdullah to receive Equal Opportunity Award

If one person epitomizes the meaning and importance of Penn State's Equal Opportunity Award, it is Lydia P. Abdullah.

"In addition to her position as a senior budget planning specialist in the Office of Budget and Resource Analysis," says a colleague, "Lydia devotes much of her time and energy to eliminating the barriers to understanding among races, sexes, age groups, ethnic origin and religious heritage, by educating and encouraging dialogue among members of different groups."

From her days as a Penn State undergraduate and as she has risen through the ranks from audit manager, accountant, to her present position, Ms. Abdullah has committed a large segment of her personal time to the concerns of minority staff members and students and to the cause of diversity and equal opportunity.

"My work is not just for me, but it goes beyond the scope of my job," she says. "I was one of the minority pioneers in the administrative ranks here, and I try to encourage and support those coming behind."

One of Ms. Abdullah's most significant accomplishments, was the year she spent as an Administrative Fellow. "The Fellowship in 1989 gave me a greater understanding and appreciation of how the decision-making and implementation processes within our administrative system work," she says. "It also provided me with significant opportunities to participate in the process and recommend refinements to the system."

Ms. Abdullah, who is also a mother and wife, has a genuine warmth and concern that is extended to all those she meets. The list of her services to the university is extensive, including the Equal Opportunity Planning Committee, the 1993-94 Administrative Fellows Selection Committee, President's Planning and Budget Advisory Committee, Minority Staff Development Advisory Board and the Martin Luther King Junior Commemorative Planning Committee.

She also extends her concern for equal opportunity to those in her unit. Ms. Abdullah reviewed and commented on the 1991-92 Executive reports of Equity and Diversity Initiative completed by the Finance

Staff to make sure the staff knows about campus-wide diversity programs. "All I can do is to continue what has gone on before me," she says. "Penn State is an institution that deserves the best from every person on this campus."



LYDIA ABDULLAH



## Ertekin and Fitz earn Graduate Faculty Teaching Awards

Turgay Ertekin, professor and chairman of the Petroleum and Natural Gas Engineering Section, and Earl E. Fitz, professor of Portuguese, Spanish and comparative literature, are the 1995 recipients of the Graduate Faculty Teaching Awards. The award recognizes tenured faculty who have excelled both in teaching at the graduate level and in supervising thesis work of graduate students.

Dr. Ertekin, who also is the Quentin E. and Louise L. Wood Fellow in petroleum and natural gas engineering, has taught courses in fluid flow dynamics in porous media at the graduate and undergraduate levels, and has directed the research work of graduate students on reservoir modeling and reservoir engineering.

His efforts have produced 14 Ph.D. and 33 master's degree students, with three Ph.D. students' research works still in progress. Many of his former students are on the faculty of petroleum and natural gas engineering departments in England, Kuwait, Korea, Saudi Arabia, Thailand and the United States. Several of his former students are involved in directing teams of engineers at major oil companies.

His current research deals with the numerical simulation of fluid flow dynamics in porous media, coal seam degasification process, well test analysis for composite reservoirs, and enhanced oil recovery techniques. He is author or co-author of more than 70 technical publications, including a book on gas well testing, and another book on

reservoir simulation is in press. In addition, Dr. Ertekin is completing a major textbook on reservoir simulation for the Society of Petroleum Engineers.

His efforts in improving the facilities of the petroleum and natural gas engineering program for graduate teaching and thesis research have resulted in the creation of the C.D. Stahl Center for Enhanced Oil Recovery and an up-to-date computational facility including state-of-the-art hardware and software. He was responsible for raising these funds from corporate and other sources, and another \$2 million in research funding, all of which have included support for graduate education.

Dr. Ertekin received his B.S. and M.S., in 1969 and 1971 respectively, from Middle East Technical University, Ankara, Turkey, and a Ph.D. from Penn State in 1978. He joined the University in 1978 as assistant professor and was named associate professor in 1983 and professor in 1987.

Dr. Fitz teaches undergraduate and graduate level courses and was graduate officer for the Comparative Literature Department for several years. He occasionally has served as acting head for that department.

He has received the College Prize for Excellence and he has directed a number of Ph.D. and M.A. theses in Spanish and comparative literature. He also was director of the Penn State/Committee for Institutional Cooperation Summer Institute in

Comparative Literature.

"It is imperative that graduate students in literature feel they have the freedom to think about texts in new and perhaps unusual ways, and not feel they must 'play it safe' by conforming to convention or to their professors' approach of point of view," Dr. Fitz said.

Dr. Fitz is a specialist in New World literature with an emphasis on modern Brazilian prose fiction. He is the author or co-author of four books, three book chapters and 37 articles.

He received his B.A. (1968) and M.A. (1970) from the University of Iowa, and an M.A. (1973) from Queens College, City University of New York, and a Ph.D. (1977) from the Graduate Center of the City University of New York. He joined Penn State in 1978 as an assistant professor and was named associate professor in 1983 and professor in 1988.

No photo of Dr. Fitz was available.



TURGAY ERTEKIN

## Excellence in Advising awards to be given to Miller and Fedorchak

Excellence in Advising awards will be presented in 1995 to Arthur C. Miller, professor of civil engineering, and to Robert W. Fedorchak, coordinator for undergraduate Academic Support Services for the Eberly College of Science.

Dr. Miller's honor is for faculty advising, while Mr. Fedorchak's is for professional guidance. The award recognizes excellence in advising, academic and career guidance, and assistance in decision-making and goal setting.

Dr. Miller advises the student chapter of the American Society of Civil Engineers (ASCE), which has more than 200 students. He also advises 9 graduate students, 20 undergraduates and others.

"Dr. Miller's personality allows him to be very approachable," says August Kolaras, vice president of the ASCE student chapter. "The growth of ASCE in the past few years is a testament to his hard work and his dedication to helping students."

As a reflection of student appreciation of Dr. Miller's efforts, he has been chosen four times in the past 10 years to be a faculty marshal.

Dr. Miller also has been honored four times as Outstanding Faculty Adviser to the ASCE student chapter. In 1989, he won the Outstanding Teaching Award in Penn State's College of Engineering. He received the Faculty Service Award for Outstanding Contributions to Conferences and Institutes from the National Education Association in 1992.



ARTHUR C. MILLER

ROBERT W. FEDORCHAK

"I believe students need other outlets besides academics," he says.

The Excellence in Advising Award was expanded this year to include professional advisers.

Robert W. Fedorchak is the first such adviser to receive the award.

Mr. Fedorchak became the Division of Undergraduate Studies Program coordinator in the Eberly College of Science in 1988. For almost three years, he was the only staff member in the college's Academic Advising Center advising undergraduates. Based on his success, the advising center was expanded in 1991 and Mr. Fedorchak became coordinator of the college's Undergraduate Academic Support Services.

He regularly assists the more than 200 students

in the science major, other students in the college who need more-specialized support, and young people in high school interested in the colleges programs.

He advises the Eberly College of Science Student Council, which has more than 100 members, and chairs the monthly meetings of the Student Executive Association, which is made up of the presidents of the college's 16 undergraduate student groups. He also runs programs for other academic and administrative units, such as the Multicultural Resource Center.

"I know I would not be successful entering medical school next year without Mr. Fedorchak's sound advice," says Mary Buzard, former president of the Eberly College of Science Student Council. "Mr. Fedorchak has a way of making everyone who walks through his door feel important."

"I derive an enormous amount of satisfaction from helping students realize the maximum benefit possible from the opportunities available at the University," Mr. Fedorchak said. "It is my goal to make a difference in the lives of the students with whom I come into contact and my reward is their success."

## Palmer Mentoring Award recognizes Harold Cheatham's career achievements

The Howard B. Palmer Faculty Mentoring Award will be presented to Harold E. Cheatham, professor and head of the Department of Counselor Education, Counseling Psychology and Rehabilitation Services.

The award honors outstanding achievement by a faculty member in guiding the collegial and professional development of junior faculty and mentoring graduate students.

As department head, Dr. Cheatham has been involved in mentoring junior faculty in the department, has organized and facilitated college-wide tenure and promotion workshops for junior faculty, and has led publishing workshops. One of his special accomplishments has been the successful recruitment and retention of minority students.

Dr. Cheatham was one of the architects of the position of senior faculty mentor in the Center for Minority Graduate Opportunities and Faculty Development, which was designed to help junior minority faculty achieve tenure and promotion. He has served on the center's advisory board since its inception and has regularly conducted tenure and promotion workshops for junior faculty under the center's auspices.

A specialist in multicultural counseling, Dr. Cheatham has extended his mentoring activity well beyond Penn State, recently serving doctoral candidates and on dissertation committees at the University of Pennsylvania, the University of



HAROLD E. CHEATHAM

Massachusetts, Amherst, and the University of Cincinnati.

He received his B.S. in psychology and history from Penn State, an M.A. degree in counseling and higher education administration from Colgate University and a doctorate in counseling and higher education administration from Case Western Reserve University.

He also completed master's study in history and political science from State University of New York at Albany and Syracuse University. Dr. Cheatham was previously employed as professor of psychology at the U.S. Coast Guard Academy and director of university counseling for Case Western Reserve.

He came to Penn State in 1981 as a visiting scholar. The following year, he was appointed associate professor with promotion to full professor in 1990. Two years later, he became head of the Department of Counselor Education, Counseling Psychology and Rehabilitation Services.

At Penn State, Dr. Cheatham chairs the Col-

lege Committee on Multicultural Education and is a member of the University Faculty Senate. He has served on the Faculty Senate Committees on Curricular Affairs, Cultural Diversity and Student Life. Currently, he serves on the Committee on Committees and Rules.

A 1990-1991 Fulbright Senior Scholar to India, he has received numerous other professional honors including the American College Personnel Association (ACPA) Contribution to Knowledge Award (1993), induction as ACPA Senior Scholar (1993) and the Outstanding Program Award from the ACPA Committee on Multicultural Affairs. He will serve as 1995-1996 president of ACPA, headquartered at the National Center for Higher Education in Washington, D.C.

Dr. Cheatham is the author or editor of several books or parts of books, including *Cultural Pluralism on Campus and Black Families: Interdisciplinary Perspectives*.

He has served on the editorial board of the *Journal of College Student Development* and the *Career Development Quarterly*, as editor and chair of the American College Personnel Association Media Board, and as reviewer for the *Journal of Counseling and Development*. He also is an editorial consultant for the *Journal of Black Psychology*.

## 1995 Alumni Teaching Award to go to Fern K. Willits

Dedication, a commitment to students and the recognition colleagues give her as a model of teaching effectiveness have earned Fern K. Willits, professor of rural sociology, the 1995 Alumni Teaching Award.

The award honors outstanding teaching, while providing encouragement and incentives for teaching excellence. The Teaching Fellow must have demonstrated excellence and lasting impact in scholarly teaching, academic advising and overall career guidance as well as enthusiasm and commitment.

Among the courses Dr. Willits is especially known for are "Statistics in the Life Sciences," a 4-credit, 400-level course for an average 60 to 90 students each year; "Methods of Survey Data Analysis" and a graduate level course for 30 to 40 students, one of whom characterized the lectures as "a personal conversation with each individual." She also organizes and partially teaches a graduate seminar, "Special Topics in Data Analysis" that attracts researchers and other faculty as well.

"Dr. Willits has taught applied statistical analysis to undergraduate and graduate students at Penn State for almost 30 years," wrote a colleague. "More than 3,000 undergraduate and graduate students have benefited from her tireless enthusiasm, patience and dedication to



FERN K. WILLITS

teaching. She challenges students to achieve their full potential and is willing to spend countless hours outside the classroom counseling, explaining and re-explaining difficult concepts, testing and re-testing, all aimed at maximizing students' learning and mastery of the subject matter."

Former students frequently ask her to serve on thesis and dissertation committees, and she has served on dozens in six different colleges and more than a dozen departments throughout the University.

Her philosophy of teaching is straightforward: "There is no magic formula or set of gimmicks that will make someone an effective teacher. Rather the effectiveness of one's teaching efforts depends upon the nature of the dynamic interactions of instructor, student and subject matter."

The instructor, she says, must be knowledgeable, committed to helping each student arrive at

a useful level of understanding of the subject, and convey the message that the subject is relevant, important and absolutely fascinating.

Students, she believes, must become engaged in the learning process, be involved in the material, and course requirements should be rigorous. She assumes students are motivated, hard-working and conscientious, but often have conflicting and competing expectations.

She received the Gamma Sigma Delta Teaching Award at Penn State in 1994 and the national Rural Sociological Society Award for Excellence in Instruction in 1988.

Dr. Willits received her bachelor's with honors in agricultural economics and rural sociology in 1958 and her master's degree and doctorate in rural sociology with a minor in statistics in 1961 and 1964, respectively, all from Penn State. She began teaching at Penn State as a graduate research assistant in 1958 and rose to the rank of professor in 1974. She has written or co-written more than 150 articles on issues in rural sociology and data analysis, and serves on University, college, departmental and professional committees.

The Alumni Teaching Fellow Award was first presented in 1986 by the Alumni Association, the Undergraduate Student Government and the Graduate Student Government.



## Five earn Faculty Scholars Medals for outstanding research work

Five Penn State faculty members will receive 1994 Faculty Scholars Medals for Outstanding Achievement.

They are Wilson Jeremiah Moses, professor of history, for the arts and humanities medal; Kenneth Kuan-yun Kuo, distinguished professor of mechanical engineering and director of Penn State's High Pressure Combustion Laboratory for the engineering medal; Teh-Hui Kao, associate professor of biochemistry and molecular biology, for the life and health sciences medal; Alexander Wolszczan, professor of astronomy and astrophysics, for the physical sciences medal; and Alan Booth, professor of sociology and human development, for the social and behavioral sciences medal.

Established in 1980, the Penn State award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme.

Dr. Moses is honored for his 1989 publication of Alexander Crummell: *A Study in Civilization and Discontent* and his 1992 publication of the revised edition of *Black Messiahs and Uncle Toms*. These works are the culmination of a series of major contributions toward understanding the African-American experience in the 19th and early 20th centuries.

As one of the country's leading authorities on black nationalism, Dr. Moses has examined the European and American roots of black culture and shed light on the development of African-American ideology. Through the breadth and soundness of his research, he has helped reorient the discussions of the seemingly divergent currents of Black nationalism and assimilationism.

Dr. Moses received an A.B. and M.A. in English literature from Wayne State University in 1965 and 1967, respectively. He received his Ph.D. in American Civilization from Brown University in 1975. He began his career in 1971 as an instructor at the University of Iowa and left there in 1976 as an assistant professor of history. He was an associate professor of history at Southern Methodist University from 1976 to 1980 when he joined Brown University as professor of American Studies and American Civilization. From 1988 to 1992 he was professor of history and English at Boston University. In 1992 he joined the faculty at Penn State as professor of history. Dr. Moses is the author or editor of six books and he has written numerous papers, book reviews and articles.

Dr. Kuo will receive his award for his international leadership in solid-propellant rocket propulsion research in the area of flame propagation. His research on flame propagation into cracks or debonds of solid propellants has been a key to understanding the 1993 loss of a Titan IV K-II rocket and its satellite payload. The Titan IV



WILSON JEREMIAH MOSES



KENNETH KUAN-YUN KUO



TEH-HUI KAO



ALEXANDER WOLSCZCAN



ALAN BOOTH

program achieved several successful launches in 1994 and became fully operational after his participation.

He established a first-class university-scale propulsion and combustion laboratory, the High Pressure Combustion Laboratory, with a wide range of advanced diagnostic instruments.

Dr. Kuo received his B.S. in mechanical engineering from National Taiwan University in 1961 and he received an M.S. in mechanical engineering from the University of California-Berkeley in 1964. From 1964 to 1968 he worked as an engineer for NASA's Apollo program at A/Rsearch, Los Angeles. He received his Ph.D. in aerospace and mechanical engineering from Princeton University in 1971. From 1971 to 1972 he was a research associate at Princeton.

He joined Penn State's faculty in 1972 as an assistant professor of mechanical engineering. He was promoted to associate professor in 1976 and professor in 1981. In 1985 he was named distinguished alumni professor and in 1990 distinguished professor. He is a fellow of the American Institute of Aeronautics and Astronautics. He is also the recipient of the Joint Army-Navy-NASA-Air Force Combustion Award for 1992. He has written over 100 technical papers, co-edited four reference books and published one combustion textbook.

Dr. Kao will receive his award for his work on the mechanism that prevents some plants from fertilizing themselves.

Dr. Kao received his B.S. in chemistry from the National Taiwan University in 1973, his M.S. and M.Phil. in chemistry from Yale University in 1976 and 1977, respectively, and his Ph.D. in physical biochemistry from Yale in 1980. He was a post-doctoral fellow at Roche Institute of Molecular Biology from 1980 to 1981, and a post-doctoral fellow at Cornell University from 1982 to 1984. In 1985 he became a research associate at Cornell. He joined the Penn State faculty in 1986 as an assistant professor of molecular and cell biology and became an associate professor in 1992. He is the author of numerous scientific papers.

Dr. Wolszczan is honored for his discovery and confirmation of the existence of the first planets identified outside our solar system. His announcement of the existence of three planets orbiting a millisecond pulsar located in the con-

stellation Virgo not only contributed to science but to civilization.

Dr. Wolszczan received his M.Sc. and Ph.D. in astronomy from Nicholas Copernicus University in Poland in 1969 and 1973, respectively. He was a visiting scientist at the Max-Planck-Institut für Radioastronomie in 1973 and an assistant and associate professor at Copernicus from 1974 to 1979. From 1979 to 1982 he was a research associate at the Polish Academy of Sciences, Copernicus Astronomical Center and returned to Max-Planck-Institut in 1982 as a visiting professor. In 1983 he came to Cornell University at the National Astronomy and Ionosphere Center, Arecibo Observatory, Arecibo, Puerto Rico as a research associate and left in 1992 as a senior research associate. He joined Penn State's faculty in 1992 as professor of astronomy and astrophysics.

Dr. Wolszczan received the Annual Award of the Foundation for Polish Science in 1992 and the Alfred Jurzykowski Foundation in 1993.

Dr. Booth is recognized for his work which provides the only long-term perspective on what is happening to the modern American family in respect to marriage and divorce. Through his longitudinal study — continuously funded for over a decade — he blends family and developmental theories and examines marriage, remarriage and related phenomena.

Dr. Booth received his B.A. in psychology from Antioch College in 1958, his M.A. in education/sociology from the University of California Los Angeles in 1960 and his Ph.D. in sociology from the University of Nebraska-Lincoln in 1966. He began his career as assistant professor of sociology at the University of Nebraska in 1966 and became associate professor in 1969. He served as director of the Bureau of Sociological Research from 1969 to 1971. From 1972 to 1974 he was senior research officer, Ministry of State for Urban Affairs, Ottawa, Ontario, Canada. He returned to the University of Nebraska in 1974 as professor of sociology, and chaired the sociology department from 1977 to 1980. He was named College of Arts and Sciences Distinguished Professor of Sociology in 1988. He joined Penn State's faculty in 1991 as professor of sociology and professor of human development and family studies.

## Thomas Hale named first recipient of International Achievement Award

Thomas A. Hale, professor of African, French, and comparative literature, has been named the first winner of the Faculty/Staff International Achievement Award.

The annual award, established by the University's International Council, is designed to recognize a faculty or staff member for contributing significantly to the advancement of the international mission of the University.

Dr. Hale, a specialist in African, Afro-French and Afro-Caribbean languages and literature, is known for his pioneering research on the Martinican poet, playwright and politician Aimé Césaire, as well as for his work in collecting epics from West African bards called griots (gree-ohs). This year he was also recognized for his scholarship with the Distinction in the Humanities—Class of 1933 Award from the College of the Liberal Arts.

Dr. Hale published the first complete catalog with comments, or bibliography, of Aimé Césaire's writings in 1978. The work is still standard reference for Césaire scholars.

Over the past year, Dr. Hale contributed to a special Césaire issue of the journal, *Ouvrages et Critiques*, consulted on a French television documentary on the author, and became a member of an international planning committee appointed by the French government to develop a world-traveling exhibit on Césaire.

His most recent book, *Scribe, Griot, and Novelist: Narrative Interpreters of the Songhay Empire*, is the result of his extensive field work in West Africa.

Chairman of Penn State's African Studies Committee from 1978 to 1994, Dr. Hale developed the University's first programs of instruction in African languages. He also established USIA-funded

student/faculty exchange programs with the University of Niamey in Niger and the University of Yaoundé, Cameroon.

Dr. Hale has produced an instructional video, "Griottes of the Sahel: Female Keepers of the Oral Tradition in Niger," based on his field studies, and has also brought griots and griottes for residencies at Penn State.

Head of the African Section of the Modern Language Association (MLA) International Bibliography, he was also recently elected to a three-year term as delegate from the MLA's Division on Ethnic Literature.

Dr. Hale is co-editor of the Indiana University Press African epic series; serves as a member of the editorial board of *The Harper Collins World Reader Volume 1, Antiquity to the Early Modern World*; is associate editor of *Comparative Literature Studies* and assistant editor of the *French Review*.

A founder of the African Literature Association (ALA), an international organization of African literature scholars, Dr. Hale served as ALA president in 1981-82. He has also served as chairman of the Association of African Studies Programs, the MLA Division on French Literature Outside of Europe, and the MLA Division on African Literatures.



THOMAS A. HALE

## Administrative Excellence award bestowed on Kopp

W. LaMar Kopp, deputy vice president for International Programs, will receive the 1995 Award for Administrative Excellence at the annual Awards Convocation at 2 p.m. on Sunday, April 2, in Schwab Auditorium. The award is presented annually to a member of staff whose performance methods and achievement exemplify administrative excellence.

Dr. Kopp has been with the University for 32 years, serving in a number of administrative positions for the last 25. A professor of German, he also has been an assistant and associate dean in the College of the Liberal Arts, director of the Foreign Studies Program and associate provost for International Programs before accepting his present post 10 years ago.

"LaMar Kopp belongs to the first generation of international education administrators in the United States. It was his vision and his administrative foresight that in 1983 led to the unification of Penn State's international programs under one umbrella," wrote a colleague.

Dr. Kopp is responsible for Penn State's 42 Education Abroad Programs, for 2,200 international students from more than 100 countries and for International Cooperative programs, including agreements with some 60 partner universities around the world.

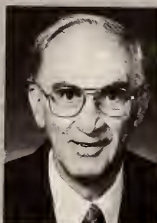
Dr. Kopp is credited with laying the organizational and philosophical groundwork to move the University into the international arena. His latest achievement in this area is the development of the University's International Council.

He also has joined his research interests in German literature with international service in his role as chairman of the Board of Disbursements of the Allison-Shelley Collection in Pattee Library, one of the largest collections of German literature in translation in the world.

Dr. Kopp's international expertise and administrative skills have made him a valuable resource for national organizations. He has served on a number of boards and committees, including his current position on the board of directors of the Council on International Educational Exchange, among others, and currently is on the board of directors of the Midwest Universities Consortium for International Activities and the Pennsylvania Consortium for International Education.

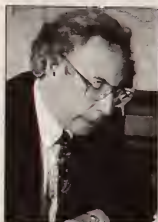
Internationally, he has had administrative experience as executive director of the International Voluntary Service Organization in Switzerland, and director of the Junior Year in Marburg Program for the Commonwealth of Pennsylvania. He has worked with the Deputy Prime Ministers' Office on Technical Service Agreement with the Royal Government of Swaziland.

Dr. Kopp received a bachelor's degree from Goshen College in 1952 (where he also served as assistant professor of German from 1957-1959), a master's degree from the University of Minnesota in 1954 and a doctorate from Penn State in 1965. He was appointed instructor in German at Penn State in 1962 and became professor of German in 1975.



W. LAMAR KOPP

## Secor earns McKay Donkin Award



ROBERT SECOR

Robert Secor, head of the Department of English since 1990, will receive this year's McKay Donkin Award, which is presented to the full-time faculty or staff member or retiree who has contributed most to the economic, physical, mental or social welfare of the faculty at Penn State.

The award was established in 1969 in honor of the late McKay Donkin, who served as the University's vice president for finance and treasurer from 1957 to 1968. This year's award will be presented during the Academic Awards Convocation at 2 p.m. Sunday, April 2, in Schwab Auditorium at the University Park Campus.

Dr. Secor, who has taught English at the University for more than 25 years, is a former chair of the University Faculty Senate and has most recently chaired the Senate's Joint Committee to Review Promotion and Tenure Procedures. He "has consistently worked toward bettering conditions for faculty across the entire institution," a colleague writes. Under his chairmanship, the promotion and tenure review committee "produced a document remarkable for its concrete, thoughtful suggestions on a topic



**Secor**

continued from page 22

of central interest to all faculty. Even among those who might disagree with individual proposals, the quality of this report has met with widespread praise."

He also served on the Senate's Committee on Faculty Workload and Accomplishment, which last August produced a faculty workload report that has received broad national recognition.

The Board of Trustees, recognizing Dr. Secor's contributions as a member of the previous Presidential Search and Screen Committee, chose him to serve as a consultant to the most recent presidential search and screening effort. The University administration has named him chair of the Steering Committee for Middle States Accreditation, which is viewed as a task of major significance for Penn State's continuing academic well-being.

Dr. Secor served as a Senate officer from 1989 through 1993, first as a Senate secretary. During that time, he was heavily involved in efforts to revise promotion and tenure documents and administrative guidelines, support funding for University Libraries, and focus on other policies important to faculty. The University's successful Faculty Staff Club was begun under his initiative.

He currently serves on the University Steering Committee for Diversity Strategic Planning. He was chosen this year as one of five faculty members to represent Penn State as a fellow of the CIC Academic Leadership Program.

Dr. Secor was named an associate professor of English in 1973 and became a professor of English and American studies in 1986. He came to Penn State in 1969, after having taught for several years at Northwestern University.

He has published five books and monographs and has written more than 30 articles and chapters for various literary journals. His specialty is American and British literature, with a particular interest in Joseph Conrad.

Dr. Secor has been regional editor for *The Journal of Pre-Raphaelite Studies* and is co-editor of *Resources for American Literary Study*.

He earned his bachelor's degree in English from Syracuse University in 1960, his master's in English from Brown University in 1963 and his doctorate in English and American literature from Brown in 1969.

**Coach Sandusky wins Barash Award**

Jerry Sandusky, assistant coach and defensive coordinator of the Nittany Lions football team, is the 1995 recipient of the Barash Award for Human Services. Mr. Sandusky, also an assistant professor of physical education, will receive the award at the Academic Awards Convocation at 2 p.m. Sunday, April 2, in Eisenhower Auditorium on the University Park Campus.

The family of the late Sy Barash created the annual award in 1975. It recognizes a full-time member of the Penn State faculty, staff or student body who has contributed most, apart from assigned duties, to human causes, public service activities and organizations for welfare of fellow humans.

Mr. Barash, a Penn State graduate, was a State College businessman from 1953 until his death in 1975. Over the years he devoted much time, energy and leadership to humanitarian causes on and off campus.

Mr. Sandusky is best known as the founder of The Second Mile, a program designed to help youths across Pennsylvania. The Second Mile provides opportunities for young people to learn the importance of academics, develop positive peer and family relationships, put into practice cooperation skills and goal-setting skills, and participate in community service projects.

The Second Mile was incorporated in 1977 and began operations in 1982. In its first year The Second Mile provided program services to 45 children in the State College area. Today over 90,000 boys and girls participate in eight free prevention, early intervention and community-based programs.

The programs range in scope from providing exposure to strategies and skills effective in

addressing problems in normal development to services for children who have been abused, lack



JERRY SANDUSKY

parental encouragement or who lack the skills necessary to cope with the trauma and crisis confronting their families.

Mr. Sandusky also is directly involved in fund-raising activities which keep the programs operating, because the non-profit organization does not use government dollars. Funding is provided by individuals, corporations, foundations, clubs, organizations and through special events.

A three-year letterman at Penn State, he was a starting defensive end in 1964 and 1965. He received a degree in health and physical education from Penn State in 1966 and earned a masters degree at the University in 1971. He joined the football team staff in 1969, first working as line-backer coach before moving into his current position of defensive coordinator.

Before joining the Penn State staff, Mr. Sandusky served as an assistant football, basketball and track coach at Juniata College in the 1967-68 academic year and as offensive line coach at Boston University in 1968.

He is the author of *Developing Linebackers, The Penn State Way*. The proceeds of the book benefit The Second Mile.

**Jones cited for academic achievement**

Robin K. Jones of Altoona will receive the 1995 Outstanding Adult Student Award at Penn State's Awards Convocation at 2 p.m. Sunday, April 2, in Schwab Auditorium on the University Park Campus. The award honors adult students who have overcome obstacles and multiple demands on their time to return to college and excel academically.

Robin Jones began her academic career at the age of 34 in 1991 at the Penn State Altoona Campus — one year after her husband returned to college full-time after losing his job because of an injury.

"At the age when most people were settled in, my husband and I were roaming the halls of Penn State with fellow students almost as young as our own children," she wrote of her experiences. "With a husband and three kids to care for on top of school responsibilities, time management skills became the most important facet of my life."

She chose nursing — a demanding curriculum that has meant a daily commute of about 90 miles to classes at University Park for the past two years and sometimes longer commutes to clinical courses at distant hospitals and nursing homes. Last spring, she fulfilled a semester's residency at Penn State Hershey Medical Center at the same time that her husband was taking 19 credits in his last semester of classes. They spent spring break together in Washington D.C. while he had an additional operation.

With exceptionally high grades — a cumulative grade-point average of 3.9 — Ms. Jones has been described by her nursing teachers as "a shining star," and has been on the Dean's List every semester at Penn State. During her first two years at the Altoona Campus she maintained a cumulative grade point average of 4.0, and received the President's Freshman and the President's Sparks awards.

In addition, she found time to help her fellow students as an informal tutor on difficult course material and she worked with faculty to prepare tutoring and study materials for junior nursing students.

Her academic performance and out-of-class activities earned her a number of scholarships, which have been especially important because the demands of the nursing curriculum on top of family responsibilities leave little time for employment. Among those she has received are the Baynard D. and Ethel M. Kunkle Academic Scholarship, the Karen Louise Weber Scholarship and the Charles W. Borgerding Scholarship.



ROBIN K. JONES

## Partings

# Manager retires after 28 years service

William E. Campbell Jr., manager of internal publications in the Department of Public Information, has retired after 28 years service.

A 1955 Penn State graduate with a B.A. degree in journalism, he joined the University staff in 1966 as public information officer at the then Capitol Campus and as Harrisburg representative of the Department of Public Information.

Previously, he had been a reporter with *The Harrisburg Pa. Evening News* (1961-1966) and with the *Lancaster Pa. Intelligencer-Journal* (1957-1961).

In 1971, he moved to University Park as assistant manager of the News Bureau in the Department of Public Information. He served as manager of special projects from 1978 to 1982 when he became manager of internal publications, with principal responsibilities as editor of the *Penn State Intercom*.

Mr. Campbell has served on a number of University committees, including the Committee on Extending Health Care Coverage to Domestic Partners, Research Park Marketing Task Force, Opinion Survey Response Committee, Staff Discrimination Review Committee, Calendar Conversion Council Communications Committee, and the Committee to Revise the Faculty Handbook. From 1984-1986, he was Media Services chairman for the Keystone State Games held at University Park.

He served as an instructor in journalism at the University in 1973 and 1974 and, from 1988 to 1994, was lecturer in communications and theatre arts at Susquehanna University, teaching a variety of public relations courses.

In 1994, he received the Professional Excellence Award of the Division of Development and University Relations.

Mr. Campbell and his wife, Cleo, administrative specialist in the Department of Human Development and Family Studies, are the parents of four children: Christine and Ann, both Penn State graduates; Bill III, and Steve. They have three grandchildren.

In retirement, he plans to continue writing and teaching.



William E. Campbell Jr.

## Number of employees retire

Patricia Miller, unit secretary in the Same Day Admissions Unit at The Hershey Medical Center, has retired after 24 years service.

Ms. Miller began her career with the Medical Center as an admissions clerk. After nine years in admissions, she moved to the newly-established One-Day Surgery Unit. After several changes, mostly in unit name, she assumed added responsibilities in a new position as unit secretary in the Same Day Admissions Unit.

Although she loves to read and is anticipating spending lots of time in her garden, those are things she'll be doing in retirement when she's not schussing down the slopes of some mountain ski resort or traveling with her husband on the back of his Harley Davidson motorcycle.

Mary E. Knable, guest room attendant, Nittany Lion Inn, from April 19, 1981, until Jan. 28.

Stiles W. Mader, electrician A, Penn State Harrisburg, from Dec. 18, 1978, to Feb. 23.

William H. Meyer, assistant manager, Administrative Support Services, Business Services, from Sept. 20, 1982, until Feb. 1.

Donna J. Schultz, staff assistant VI, Continuing and Distance Education, from Jan. 1, 1983, to March 1.

Maurice G. Sherrard, director, Educational Resources, Hershey Medical Center, from May 2, 1977, to March 1.

Linnea L. Slaybaugh, staff assistant IV, Office of Student Affairs, from June 9, 1975, to May 20, 1980 and from Jan. 5, 1981, to Feb. 1.

# Psychology professor ends 25 years at University

Frank Landy, professor of psychology and director of the Center for Applied Behavioral Sciences (CABS), has retired after 25 years service.

After receiving his Ph.D. from Bowling Green State University in 1969, he joined the University as an assistant professor of psychology. He has played a central role in the development of the Industrial/Organizational (I/O) Psychology Program and of CABS at Penn State; has contributed widely to national and international I/O scholarship, and has served as a consultant to governmental agencies and private corporations on a wide range of issues.

Dr. Landy has published and consulted widely in these areas, and has attracted contracts and grants to CABS from agencies such as the National Institute of Occupational Safety and Health, U.S. Depart-

ment of Agriculture, Equal Employment Opportunity Commission, Nuclear Regulatory Commission, Boeing Corporation, and the Pennsylvania State Police.

He has received multiple honors, including two Fulbright Fellowships, Senior Lecturer for NATO, and appointments to the National Academy of Sciences in the United States, Romania, Hungary, Yugoslavia, and Czechoslovakia. The American Psychological Association has awarded him fellowship status in four of its divisions and he has served as president of the Society of Industrial and Organizational Psychology of APA.

A prolific writer, he has authored over 100 articles, monographs, invited addresses and book chapters. He also is the author of two very widely used textbooks, one in industrial psychology, the other an introduction to the field of psychology.

His scholarship has been recognized by his peers as evidenced by his appointments as editor of *Human Performance*, Prentice Hall's Series in Applied Psychology, and Books Cole's Series in Industrial and Organizational Psychology. He currently serves or has previously served as a consulting or associate editor for *Journal of Applied Psychology*, *Journal of Occupational Psychology* and the *International Handbook of Industrial and Organizational Psychology*.



Frank Landy

# Assistant professor ends long-standing career

Robert F. Fitch, assistant professor of administration of justice, has retired after 25 years of service. He received a bachelor's degree in philosophy as well as an M.A. in criminology from the University of California at Berkeley.

He joined the University faculty in 1969 as an assistant professor of community development. He became an assistant professor of administration of justice with the reorganization of the College of Health and Human Development in 1980 and continued in that position when the Administration of Justice Program relocated to the College of the Liberal Arts in 1987.

Professor Fitch was actively involved with the coordination of the Administration of Justice Program's student internship program.



Robert F. Fitch

# Staff assistant retires after 36 years

Louise C. Shope, staff assistant for the Accounting Office, Applied Research Laboratory, has retired after 36 years service.

She began working as an accounting clerk for Penn State's Continuing Education Department (then called General Extension) on Jan. 2, 1959. Several months later she transferred to the ARL's Accounting Office. She was responsible for the laboratory's petty cash, travel advances, payroll, and expense accounts for trips.



Louise C. Shope



## Partings

## Twenty-eight years at University comes to end

Phillip E. Stebbins, associate professor of history, has retired after 28 years service. During his career, Dr. Stebbins taught courses in American civilization, constitutional history, and American studies and conducted seminars on undergraduate instruction for history graduate assistants.

Besides his regular teaching load, he conducted numerous seminars and workshops and served as guest speaker for diverse institutions such as the Pennsylvania Humanities Commission (1991), Pennsylvania Humanities Commission Speakers Bureau (1989, 1990), Penn State Eldershostel 1979, 1980, 1988 and The Virginia Governor's School for the Gifted (1986).

He served for two years (1992-1994) as the associate dean for undergraduate studies in the College of the Liberal Arts in charge of the college's course offering activities and was responsible for admissions and enrollment management, diversity issues, and the writing across the curriculum program.

For his excellence in teaching, he received the Liberal Arts Alumni Outstanding Teaching Award for 1988 and the Liberal Arts Dean's Special Commendations for Teaching in 1981 and 1983. He served on numerous committees at the University, college and departmental level.

He is the author of *History of Law Enforcement and Correction in Pennsylvania and the Federal Constitution*, co-author of *Individualism and Community: A Thematic Approach to the History of the United States* and has written numerous articles for law journals, refereed professional journals, and popular magazines.

Twice he received a Harry S. Truman Fellowship (1968-69, 1969-70) and spent a semester in Australia at the University of Melbourne as a USIA Bicentennial Exchange Scholar (1987).

Dr. Stebbins received his B.S. from University of Wisconsin-Madison and a L.L.B. and Ph.D. from Ohio State University.



Phillip E. Stebbins

## ARL worker retires after 27 years

Marvin E. Stauffer, journeyman sheet metal worker, Applied Research Laboratory Operations Office, has retired after 27 years service.

Mr. Stauffer began working at ARL in 1967 and entered into a four-year precision sheet metal apprenticeship. He left ARL in 1971 and worked six years as a sheet metal fabricator in Maintenance and Operations, Office of the Physical Plant. In 1978 he became the sole operator of the laboratory's sheet metal shop, a position he held until his retirement. Because of his responsibility, he worked on many of ARL's major projects over the years.

Mr. Stauffer's honors include a journeyman sheet metal fabricator certificate from the state of Pennsylvania, and a certificate of completion for sheet metal worker from the laboratory. He and his wife of 38 years have two daughters and six grandchildren. His retirement plans include enjoying activities with his grandchildren, spending time with his cameras and stereo equipment, and just relaxing on a lake with his boat and fishing rods.



Janet A. Williamson



Marvin E. Stauffer

## Associate professor of nursing retires from University after 24 years of service

Janet A. Williamson, associate professor of nursing in the College of Health and Human Development, has retired with emerita rank after 24 years service.

Dr. Williamson came to the former College of Human Development in 1970 as a part-time instructor in nursing; she was promoted to assistant professor in 1972 and associate professor in 1975. She was professor-in-charge of the undergraduate program in nursing from 1974-76 and head of the Department of Nursing from 1976-80. When the department was upgraded to a school, she served as its director from 1988-92.

She is a past recipient of the School of Nursing Leadership Award as well as the Sigma Theta Tau Nursing Education Award. She earned the *American Journal of Nursing's* 1976 Book of the Year Award for *Current Perspectives in Nursing Education, Vol. 1*. She has published numerous articles in professional journals and is listed in *Who's Who in American Women*.

She is a past president of the Pennsylvania Association of Deans and Directors of Baccalaureate and Higher Degree Nursing Programs and has chaired the Commission on Nursing Education for the Pennsylvania Nurses' Association.

She has held offices in national nursing organizations and also has served on a number of committees for the University and the college.

Before coming to Penn State, she was assistant professor of medical-surgical nursing at Florida State University.

Dr. Williamson holds a diploma from Geisinger Medical Center, a bachelor's in nursing from Wilkes College, a master's in medical-surgical nursing with a minor in education from New York University, and a doctorate in educational administration from Penn State.

## 25-year Awards



Observing 25 years of service at the Applied Research Laboratory are, from left, Randall E. Kern Jr., electrician in the Office of the Physical Plant; William W. Meyer Jr., research associate and head of the Systems Engineering Department; and Dennis W. Ricker, senior scientist and professor of acoustics, in the College of Agricultural Sciences are: Helen Ford, nutrition adviser in Allegheny County, and Harry Mulhersbaugh, manager of the Mushroom Research Center, and David N. McCloskey, laboratory machinist in Mechanical Engineering in the College of Engineering.

## EMPLOYEE BENEFITS

A regular column provided by  
the Office of Human Resources

### Flexible benefits deadline approaches

As a reminder to faculty and staff who participated in either or both of the flex plans - Flexible Benefits Health Care Reimbursement Account or Dependent Care Reimbursement Account - the deadline for filing reimbursement claims for 1994 expenses is March 31. Please remember that to be eligible for reimbursement from funds contributed in 1994, the service must have been provided during calendar year 1994, regardless of when

payment was made.

If you incurred reimbursable medical expenses late in 1994 and have not received the "Explanation of Benefit" forms from HealthAmerica or any other insurance carrier, you may request an extension beyond the March 31 deadline. Your request for an extension must be in writing and must be received in the Employee Benefits Division, Room 205 Rider Building, 120 S. Burrows St., University Park, PA 16802 prior to March 31. Requests for extensions may also be e-mailed to BENE@SUADMIN.

The Reimbursement Accounts Claims Unit uses the IRS guidelines in IRS Publication No. 502 (Medical and Dental Expenses) to determine eligibility for reimbursement of out-of-pocket medical expenses. If there is a question, however, the final decision as to what is acceptable as a reimbursable expense is up to the IRS.

Flexible benefits reimbursement checks are issued once each month. Requests for reimbursement must be received by the Employee Benefits Division by the first working day of

the month in order to receive a check for that month. To facilitate the processing of your reimbursement claims, please be sure to complete and sign the request for reimbursement form and attach all necessary documentation. "Flexible Benefits Request for Reimbursement" forms are available from your human resource representative or the Employee Benefits Division.

Acceptable documentation for medical claims are the ORIGINAL "Explanation of Benefits" forms for medical, dental or vision claims. Requests for dependent care reimbursement must be accompanied by the ORIGINAL signed receipt. Photocopies, cancelled checks, credit card receipts and cash register receipts ARE NOT ACCEPTABLE forms of documentation for either reimbursement account.

If you have questions regarding eligibility for reimbursement or need assistance in completing the request for reimbursement form, please contact the Employee Benefits Division at (814) 865-1473.

### Leaves of absence

Questions of salary continuation, healthcare coverage, etc. often arise when a faculty or staff member is absent from the normal schedule for an extended period of time. The following information is intended to provide summary information addressing the questions most frequently asked about leaves of absence. This information is not intended to be definitive on policy matters. Faculty and staff should call the Employee Benefits Office (814-865-1473) for information regarding benefits coverage, and the Employee Relations Office (814-865-1412) for more detailed policy information.

#### Paid Absences:

Leaves of Absence with full or partial pay are provided to the extent provided by policy for the following reasons: childcare (HRG-11, HRG-18), family leave (HRG-11), graduate study (HR-18), illness/injury (HR-34), maternity (HRG-7, HRG-18), sabbatical (HR-17) and short-term military duty (HR-20). Faculty and staff on leave with pay have access to the same benefits and privileges available to active, regular employees. See applicable policies for details.

#### Unpaid Absences:

When available paid time off has been expended, then leaves of absence without pay may be available to the extent provided by policy. Benefits continuation during such leaves are as follows:

Reason	Policy	Life Insurance	Health Insurance	Educational Privileges	Contribute to Retirement
Illness/Injury	HR-16	Yes	Yes <sup>4</sup>	Yes	TIAA-CREF only <sup>3</sup>
Maternity	HR-16, HRG-7	Yes	Yes <sup>4</sup>	Yes	TIAA-CREF only <sup>3</sup>
Child care	HR-16, HRG-11	Yes	Yes <sup>6</sup>	Only first 12 weeks of absence	TIAA-CREF only <sup>3</sup>
Family leave	HR-16, HRG-11	Yes	Yes <sup>6</sup>		TIAA-CREF only <sup>3</sup>
Formal study	HR-16, HRG13	Yes	Yes <sup>4</sup>	Yes	TIAA-CREF only <sup>3</sup>
Personal	HR-16	Yes	Yes <sup>5</sup>	No	TIAA-CREF only <sup>3</sup>
Administrative	HR-16	Yes	Yes <sup>4</sup>	Yes	TIAA-CREF only <sup>3</sup>
Military Long-term	HR-19	Yes <sup>1</sup>	Yes <sup>1,4</sup>	Yes	TIAA-CREF <sup>3</sup> SERS <sup>2</sup>

1 Claim covered, except if caused by war

2 Active service may be purchased in SERS

3 Only personal, after-tax contributions are possible

4 Charges shall be at the normal applicable contribution rates for active, regular employees

5 Charges shall be at the entire cost (employee and University

costs)

6 For the first 12 weeks of absence, charges shall be at the normal applicable contribution rates for active, regular employees. After the first 12 weeks of absence, charges shall be at the entire cost (employee and University costs).

## Spring brings changes to exterior of Old Main

Looking to improve the view of Old Main, landscape architecture students have teamed up with the Office of Physical Plant to bring the landscape of the building back into harmony with the neoclassical structure.

On March 17 and 18, 16 students from the Department of Landscape Architecture, in cooperation with the Landscape Contracting Program, held an intensive design session to discuss landscape renovation ideas for the front of Old Main. Teamed with faculty and OPP staff, the students analyzed existing conditions and the building's historic context to call for with a design solution that calls for more lighting, sitting areas and seasonal beds of native plants.

Rebuilt in 1920, many of the plantings around Old Main date from that time. Despite a careful maintenance program of pruning, planting and replanting, the landscape has grown out of proportion to the building scale.

But major changes will become apparent in a few months when OPP implements the first phase of the design proposal. This will include the removal of diseased and structurally unsound plants. The student design teams will also help with some of the landscape demolition and installation later this spring.

Subsequent phases of the project, which has been allotted \$10,000, will address the problem of overgrown trees leading to the Alien Street gates. The landscape restoration is expected to improve the view of Old Main from College Avenue, making the building more approachable.

"During the summer this visual barrier turns into a 'wall of green' that obscures the building, which is one of our most important landmarks," Paul Ruskin, communications coordinator for OPP, said. "In addition, this project provides undergraduate and graduate students an excellent opportunity for the practical application of their ideas."

In addition to the students, Kelleann Foster, assistant professor of landscape architecture, Charles Heuser, associate professor of horticultural physiology, Dan Stearns, assistant professor of landscape contracting, and John Joseph, chief landscape architect with OPP, are all working on the project.

### CARPOOL

July and Dan are looking for a rider to carpool from Altoona or Tyrone to University Park. Work hours are 8 a.m. to 5 p.m. Monday through Friday. Call 865-6301 or 632-8462 (Judy/home) or 942-7658 (Dan/home).

Note: All Human Resources policies and guidelines are now available on both Gopher and the EMC2 bulletin board.



## Sunday Coupons Can Affect Non-Clippers

Researchers find consumers are influenced just by seeing a coupon insert

The colorful ads that fall out of Sunday newspapers aren't necessarily ignored by consumers who don't use the offered coupons, according to a new study by a trio of marketing researchers.

"For some time, it's been an open question whether or not these free-standing inserts have any positive effect on those people who see the ads but don't take advantage of the discounts," Frank Mulhern, assistant professor of marketing in The Smeal College of Business Administration, said. "What our study shows is that an exposure effect can sometimes be measured."

"That is, we found that in some cases, non-users of coupons do increase their full-price purchases of a product that has recently been advertised through inserts."

Dr. Mulhern examined free standing inserts with Srinivasa Srinivasan, assistant professor of marketing at Drexel University, in Philadelphia, and Robert P. Leone, professor of marketing at The Ohio State University.

An implication of the team's findings is that redemption rates for their coupons don't tell the whole story. Brand sales to non-users of coupons caused by exposure to free standing inserts can contribute to the overall profitability of a coupon campaign.

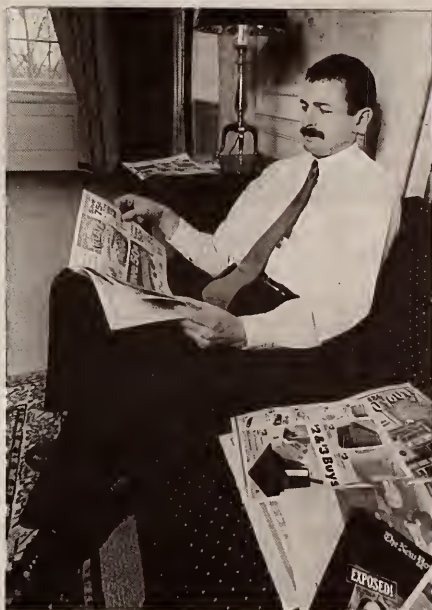
Coupons distributed through free standing inserts typically are part of full-page, color advertisements. About 90 percent of all coupons for products sold in supermarkets are distributed in this fashion. The inserts rank second to only the front page in Sunday newspaper readership, according to *Brandweek*, a trade magazine.

Using data from the A.C. Nielsen Co. and three supermarket chains, the researchers compared levels of coupon usage and total brand sales for two popular competing beverage products. The Nielsen data tracked purchases by households belonging to a consumer panel over a 65-week period.

During the time period studied, all of the coupons for the two brands in question were distributed in free-standing inserts and each brand had the same number of coupons dropped.

The researchers classified each household as either a user or non-user of coupons for the brands, based on historical purchases in the household panel data. Then, for each of the 65 weeks, the portion of both brands' sales in the three grocery chains attributable to coupon users was calculated. This figure was subtracted from the overall sales for the brands at the supermarket chains to give a weekly estimate of purchases made by non-users of coupons.

"In two of the six possible combinations of one brand with one supermarket



Frank Mulhern, assistant professor of marketing, browses through the coupon section, explaining its effect on consumers.

Photo: Greg Grisco

ket chain, we found that the appearance of a brand in a free-standing insert was followed by higher levels of sales of that brand to non-users of coupons for the beverages," Dr. Mulhern reported. "And again, in two of the six combinations, free-standing inserts for one brand apparently hurt the sales of the competing brand—an outcome that was attributed to brand switching."

One likely explanation for the brand switching effect is that some shoppers are exposed to individual free-standing inserts while looking for coupons in other categories. These exposures, in turn, affect brand purchasing behavior.

"The belief that recall for brand advertising is higher in the periods immediately following a coupon drop has led some companies to occasionally place ads that do not contain coupons

in free-standing inserts," Dr. Mulhern said. "The advertisers are simply hoping that shoppers will add that item to their mental shopping list because they have gained an awareness for the brand, or some aspect of the brand, that they did not previously have."

Since purchases generated in this manner do not show up in coupon redemption rates, they are typically excluded in the analysis of the effects of the free-standing inserts, resulting in a possible underestimation of the medium's true impact.

"Although the development and distribution of free-standing inserts is very costly, the fact that they can affect non-users of coupons in some instances supports their continued heavy use," Dr. Mulhern said.

—Gary W. Cramer

## Research

### Roundup

Can estrogen lower heart rate?

The amount of estrogen a woman has may affect how her body reacts to exercise. Cardiologists at The Hershey Medical Center believe that estrogen may help limit rises in blood pressure in exercising women by cutting the activity of a common nervous system reflex.

Drs. Steven Ettinger, assistant professor of medicine, and Lawrence Sinoway, professor of medicine, compared blood pressure and heart rate responses to exercise in 26 young and middle-aged men, and in 23 women who were either pre- or post-menopausal. They found the women's pressure changed less than the men's.

They also measured the activity of the sympathetic nervous system, which controls heart rate and blood pressure, and used magnetic resonance imaging to measure lactic acid and various other chemicals in the bloodstream.

In the women, the increases in sympathetic activity and lactic acid all were much lower than the men.

Exercising, which causes both heart rate and blood pressure to rise, as well as lactic acid to build up in the bloodstream, is partially controlled by a nervous system reflex.

## You and your child

Moms who want calmer, less volatile children should react in a responsive, interested and helpful way to their child's actions.

A study by Loretta Rieser-Danner, assistant professor of developmental psychology at Penn State Ogontz, found that children of highly "responsive" mothers, those who reacted to their child's actions and changes in expression through imitation, exaggeration and reinforcement, tended to be more focused and calm when presented with a problem.

Children with over-controlling moms—those who tugged on the child's hands, body or simply completed a task for the child—showed less negative emotion, but were also less focused and less likely to seek help.

Children with under-controlling moms—those who displayed very little assertiveness or responsiveness—tended to act more frustrated, be less focused and more explosive.



A regular column provided by Intercollegiate Athletics

### Men's Gymnastics

For the first time since 1990, Penn State will host the NCAA Men's Gymnastics East Regional on Saturday, April 8. The competition brings together the top six teams and leading individual performers from east of the Mississippi. It offers three automatic team bids to the NCAA Championships. Recreation Building has been the site of numerous championship events, including 15 international meets, six NCAA finals and four Olympic gymnastics trials.

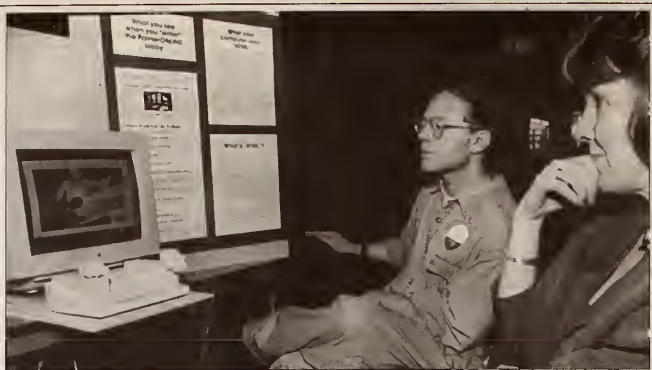
Coach Randy Jepson's Nit-tany Lions, ranked first in the NCAA East region with a 228.550 average, should compete for top team honors. Iowa, No. 3 in the nation and second in the region, is another squad primed to challenge for regional supremacy. Other contenders for the team title include: Temple, Ohio State, Minnesota and Illinois. Tickets for the single session meet are \$6 for adults, \$4 for youth under 18, senior citizens and Penn State students. For ticket information, call 863-1000. The NCAA Men's Gymnastics Championships will be held April 20-22 at Ohio State University.

### Amaechi honored

Basketball center John Amaechi wrote another bit of history when he was selected as Penn State's initial first team All-Big Ten Conference selection. The native of Manchester, England, was chosen on both the coaches and media teams. Mr. Amaechi, who was earlier named a first team Academic All-America, was a third-team All-Conference pick last year. Penn State newcomer Glenn Sekunda, a transfer from Syracuse, was an honorable All-Conference selection of the media.

### Women's Basketball

Missy Masley, the decorated hero of the Big Ten Conference women's basketball tournament, has been selected a third team CoSIDA-GTE Academic All-America. A three-time academic all-conference choice, Ms. Masley carries a 3.35 GPA in biology and plans to attend medical school upon graduation. Tina Nicholson, the 5-foot-3 dynamo of the women's cagers, is a finalist for the Associated Press women's basketball "Player-of-the-Year." She was a first-team All-Big Ten selection and leads the Lady Lions in assists.



"The Palmer Online"

Graduate student M. Travis DiNicola (art education) discusses his research project at the Graduate Research Exhibition held on the University Park Campus March 17 and 18. His research involves putting the Palmer Museum online for a potential of more than 15 million Internet users to view. Seated beside him is Karen Altbman, director of the Palmer. Winners from the tenth annual event will be announced in a special section of Intercom on April 6.

Photo: Greg Grieco

## Penn Staters

Abhay Ashtekar, holder of the Eberly Family Chair in physics and director of the Center for Gravitational Physics and Geometry, has been appointed distinguished visiting professor at the Inter-University Center for Astronomy and Astrophysics in Pune, India.

Peter Cavanagh, director of the Center for Locomotion Studies, and William Evans, director of Noll Physiological Research Center, in the College of Health and Human Development, have been appointed to a NASA Science Working Group involved with the International Space Station Alpha. They are part of a group charged with designing the Human Research Facility that will be built on board the space station. The lab will make it possible to study human adaptation to long-term

space flight and conduct basic life science research in microgravity.

At the invitation of the Institut Français des Relations Internationales, Paris H. Chang, professor of political science, presented a seminar on "Taiwan's Democratization and the Taiwan-China Relations," in Paris. He also gave an invited lecture to the China Discussion Group of the Royal Institute of International Relations in London on the same subject. In addition, he gave a seminar at the Royal United Service Institute for Defense Studies on the subject of "Post-Deng China and Cross-Strait Relations."

Carol Anne Costabile-Heming, assistant professor of German, has received a grant from the Deutscher Akademischer

Austauschdienst (German Academic Exchange Service) to conduct two months of research in Germany for the project, "REZENSUR: A Case Study of the Reception and Censorship of Günter Kunert's Poetry during the 1970s."

Anibal Gonzalez-Perez, Sparks Professor of Spanish, gave the lecture "Recortes de prensa: periodismo y ética de la escritura en Julio Cortázar" at the Facultad de Humanidades of the University of Puerto Rico. He also presented the paper "Manuel Gutiérrez Najera: la escritura como caricia" at the conference "Manuel Gutiérrez Najera y la cultura de su tiempo" in the National Autonomous University (UNAM) in Mexico City.

## PENNSTATE



## INTERCOM

Department of Public Information  
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# INTERCOM

April 6, 1995

Volume 24, Number 26



**Standing tall**

Bill Stoner (left) and Kris Edson, from the Office of Physical Plant, work on a replanting project at University Park that will establish 16 red oaks along Pollock Road. The work is part of an overall project to place 48 red oaks across campus. Red oaks are more tolerant of salt and are considered excellent shade trees.

Photo: Greg Grieco

## Two Alumni Fellows named

The Eberly College of Science and the School of Communications have selected Alumni Fellows, the most prestigious award given by the Penn State Alumni Association. Both will appear on the University Park Campus during the month of April.

Under the sponsorship of the Eberly College of Science, Howard W. (Jake) Jacobson, senior scientist at E.I. duPont de Nemours & Co., of Wilmington, Del., will visit campus from April 5-8. During his visit he will receive his award and interact with students, faculty and administrators throughout the University. He will present a seminar at 2 today, in 55 Osmond Laboratory, titled "Attributes of Highly Productive Industrial Scientists and Engineers." The presentation is open to the public.

Warren Maurer, executive vice president and chief operating officer at Shadow Broadcast Services, was chosen as the 1995 Alumni Fellow for the School of Communications, and will be honored at a reception on April 20.

Mr. Jacobson received his bachelor's degree in 1949 and his master's degree in 1950, both in chemistry, from the University of North Dakota. In 1953, he earned his Ph.D. in physical chemistry at Penn State. He was named a duPont Fellow in 1989. In 1992, he was the first to be recognized with the duPont Fellow-Distinguished Scientist award and

he also received the Lavoisier Medal for Technical Achievement, which honors scientists and engineers throughout duPont for their outstanding career contributions. In 1994, he was the recipient of the American Chemical Society Award for Creative Invention.

His current research, and development with fine-particle technology is directed at new products with novel surface treatments and at bringing special function to textile fibers, structural plastics and films. He has accumulated 38 U.S. patents in various chemical areas and has six publications associated with adsorption on solids, electroconducting surfaces and superconducting oxides.

Mr. Maurer, of Shadow Broadcast Services in Bala Cynwyd, Pa., oversees an operation that provides news, weather, sports and traffic reports to more than 250 stations in New York, Los Angeles, Chicago, Houston, Baltimore, Washington, D.C., San Francisco/San Jose, San Diego, and Philadelphia. Before this appointment, Mr. Maurer was vice president of development for Group W Radio (Westinghouse Broadcasting Company).

Mr. Maurer began at Group W in 1957 as assistant advertising and sales promotion manager for KDKA-TV, Pittsburgh. In 1961, he was appointed

See "Fellows" on page 3

## University is site of new leadership center

The Pennsylvania School Study Council at Penn State, in collaboration with the Tri-State Area Study Council, and the Pennsylvania Association of School Administrators, has established a Leadership Development Center, which will be housed at the University.

Developed with the assistance of a Goals 2000 grant from the Pennsylvania Department of Education, the center will operate professional development programs for school leaders. Paula Short, associate professor of educational administration, has been elected by the board of directors as the first executive director.

The center will use the "Superintendent Leadership Development Program," an assessment and training package developed by the National Association of Secondary School Principals and the American Association of School Administrators, as its framework. A group of sitting administrators will be trained to facilitate the model activities. These facilitators will then work under the direction of the

PLDC to make the program available to aspiring and practicing administrators throughout the state.

**Developed with the assistance of a Goals 2000 grant from the Pennsylvania Department of Education, the center will operate professional development programs for school leaders.**

"As designed," notes Dr. Short, "the program will add to the Commonwealth's capacity to provide quality professional development programs to Pennsylvania school leaders. In addition, it will promote a mechanism that Pennsylvania policymakers can use to provide some quality assurance as the state moves toward alternative credentialing standards for school administrators."

## Inside



### And the winners are ...

The Graduate Research Exhibition, held March 17-18 on the University Park Campus, featured the work of nearly 200 graduate students. For more information on the winners and their exhibits, see pages 7, 8, 9, and 10.



### The Arts

Works by MFA candidates, are on display in Zoller Gallery. See page 6 for complete arts listings.

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## DIVERSITY BRIEFS

### Membership nominations sought

#### ■ The Commission on Racial/Ethnic Diversity

The Commission on Racial/Ethnic Diversity is seeking nominations and applications for membership available July 1. Its membership includes, faculty, staff-exempt and non-exempt employees, administrators, staff assistants, technical-service employees and undergraduate and graduate students. Members are appointed by the president to serve four years or in the case of students, until graduation.

The Commission on Racial/Ethnic Diversity serves as an advisory body to the president on matters affecting the racial/ethnic minorities of the University community.

The Commission is dedicated to enhancing diversity and is actively seeking a broad base of nominations including self-nominations from all racial/ethnic backgrounds.

Further information and nominations forms may be obtained by calling the commission office at 863-8493. Nominations forms must be returned to the commission office in 330 Grange Building no later than April 11.

#### ■ The Committee on Lesbian, Gay & Bisexual Equity

The Committee on Lesbian, Gay & Bisexual Equity in the Office of the Vice President for Educational Equity, is actively seeking nominations for membership for the 1995-96 academic year.

The committee serves as an advisory group to the vice provost for educational equity on matters affecting the climate for gay, lesbian and bisexual members of the Penn State community. Its purpose is to enhance a positive working and living environment for all members of the University community regardless of sexual orientation, but is especially concerned with policies and structures which negatively impact on lesbian, gay and bisexual people. The committee's membership includes representation from all employee classifications as well as graduate and undergraduate students. Members are appointed by the vice provost for educational equity to three-year terms.

The committee values diversity in its membership and is actively seeking nominations from culturally, racially and ethnically diverse populations. Self-nominations are encouraged.

Nominations forms may be obtained from the committee office, 311 Grange Building or by calling the office at 863-7890. Nominations must be returned to the committee office no later than April 20. For more information, please call the committee office at 863-7890.

#### ■ The Penn State Commission for Women

The Penn State Commission for Women is seeking nominations for membership.

The Commission for Women serves as an advisory group to the president of the University on matters affecting women of the University. Its purpose is to promote the efforts of women and to serve as a forum for the exchange of ideas within Penn State. The entire women's community of Penn State is represented by the Commission for Women. Its membership includes staff-exempt and non-exempt employees, faculty, administrators, technical service workers, and graduate and undergraduate students. Members of the commission come from throughout the Penn State system, and are appointed to serve three-year terms.

The commission is actively seeking nominations, including self-nominations, from all women, particularly those whose cultural, racial or ethnic backgrounds would enrich the understanding of the needs and concerns of women throughout the University. The commission values diversity in its membership and is actively seeking a broad base of nominations.

Nomination forms may be obtained from the Commission for Women Office, 311 Grange Building or by calling 865-1683. Nominations must be returned to the commission office no later than April 20. For further information, please call the Commission for Women Office at 865-1683.

## Student Affairs seeking award nominations

Student Affairs is accepting nominations for the Vice President's Award for Outstanding Service to Students and the Vice President's Award for Quality Improvement.

The Vice President's Award for Outstanding Service to Students recognizes Student Affairs employees who demonstrate exemplary service to students. The selection committee will evaluate the nominees based on: dedication to excellence in providing services to students; professionalism in interactions with students; evidence of sensitivity to the diverse student populations served; and evidence of "going the extra mile" in serving students. Nominations will be accepted from students, administrators, staff or faculty members until April 14. Vice President's Award for Quality Improvement recognizes individuals and teams for meritorious quality improvement

initiatives. The award will go to a nominee(s) who did an exemplary job when examining an issue relating to the quality of the division's/unit's programs and/or services; interacting with stakeholders of the processes to identify outcomes; engaging in appropriate benchmarking and data gathering activities; identifying effective performance measures; and implementing change, if appropriate. Nominations can be made by any Student Affairs staff member until Friday, April 14.

Nomination forms for both awards are available at many Student Affairs offices on the University Park Campus (including the HUB desk, Paul Robeson Cultural Center and in 101 Bouck Bldg.), or by phone at 865-0181. Recipients will be recognized at the Student Affairs Awards Reception on May 8.

## Undergraduate Research Fair ends today

The mental health of iron-deficient college women, what grows in Pennsylvania's forests after a fire, and the study of a young supernova are among the exhibits you will find in the HUB Ballroom during the Undergraduate Research Fair, which ends today.

About 66 exhibits illustrate undergraduate research from nearly every college in the University, up 10 from last year and up more than 40 from the one held four years ago. Students whose entries are selected as top in their category will share in

\$2,500 in cash prizes and the pride of having their work recognized. Winners will be announced at 5:30 p.m. today during closing ceremonies led by Larry Spence, associate professor of political science.

Sponsored by the University Scholars Student Advisory Committee and the Undergraduate Student Government Academic Assembly and funded by the Office of Undergraduate Education, the fair has attracted strong support from faculty as well.

## Career Day held at University Park today

The fifth annual Pennsylvania Career Day is being held today at the University Park Campus. The theme is "Careers in the Commonwealth."

The Pennsylvania Career Day is located at the Intramural Building located at the intersection of University Drive and Curtin Road at one block west of Beaver Stadium. The event begins at 10 a.m. and ends at 4 p.m. Admission and parking are free to employers, students, and alumni.

The 1995 Pennsylvania Career Day is expected to attract more than 2,000 students and alumni from Pennsylvania colleges and universities. All academic disciplines and

career fields will be represented. Employers will be able to promote themselves to a large population of potential employees by having the chance to discuss current and projected job openings, summer jobs, and internships opportunities.

More than 100 employers are expected to participate in this event. They include large and small businesses, human service agencies, government agencies, health care institutions, and not-for-profit agencies. Cosponsoring the event are the Pennsylvania Hospital Association, the Pennsylvania Chamber of Business and Industry, and the Pennsylvania Manufacturers Association.

## Obituaries

Joan B. Davis, staff assistant IV, Penn State Berks Campus; since July 3, 1978; died Feb. 26 at the age of 59.

William E. Carolus, senior operating mechanic, Office of Physical Plant; from Feb. 2, 1959, until his retirement April 1, 1986; died Jan. 31 at the age of 63.

Albert K. Henry, cheesemaker-processor, College of Agricultural Sciences; from June 1, 1947, until his retirement Jan. 1, 1985; died Feb. 23 at the age of 71.

Glady's G. Hess, library assistant, Receiving, University Libraries; from Aug. 14, 1961, until her retirement July 1, 1977; died Feb. 24. She was 82.

James A. Lauck, research machinist, College of Engineering; from April 1, 1953, until his retirement Sept. 1, 1981; died March 8. He was 73.

Hazel I. Poust, food service worker, Housing and Food Services; from Sept. 20, 1970, until her retirement Nov. 1, 1986; died Feb. 9 at the age of 68.

Tressie C. Tate, senior milk testing machine operator from Jan. 1, 1950, until retirement March 30, 1985; died Feb. 21 at the age of 72.

Vivian L. Winter, senior coder, Admissions Office; from Dec. 1, 1985, until her retirement July 1, 1988; died Feb. 24. She was 84.



## Penn State partnership to benefit Puerto Rican businesses

Acquiring the latest information on business management trends has gotten easier for Puerto Rican managers and executives, thanks to a first-of-its-kind program: the Puerto Rico Institute for Managerial Excellence (PRIME).

"The institute will provide the business community with the tools it needs to be competitive," Liana I. Loyola, executive director of PRIME, said. "Managers and executives in the Puerto Rican business community are concerned about how the NAFTA and GATT trade agreements will affect their businesses. They know they need to be competitive to survive in the global marketplace."

Inaugurated in 1994 in San Juan, Puerto Rico, PRIME is the product of a partnership among Penn State, the Ana G. Mendez University System and the Puerto Rico Manufacturers Association, along with Tufts University and the University of Texas at Austin.

"In the current global economic climate, businesses need to maintain a competitive edge. PRIME will help by providing managers and executives with the most up-to-date business management information," Patricia A. Book, associate vice president and associate dean for Continuing and Distance Education, said. "Penn State welcomes the opportunity to work with members of the institute consortium in developing educational programs that will expand the knowledge of Puerto Rican executives."

Puerto Rico, a self-governing Commonwealth within the United States, has a population of 3.6 million. Its economy is dominated by pharmaceutical, chemical, telecommunications, banking and manufacturing industries, many of which are Fortune 500 corporations.

PRIME will offer its Education Program for Executives at the Ana G. Mendez University System's Colegio Universitario del Este, a four-year college in Carolina, Puerto Rico.

Objectives include:

- promoting the development of academic programs at the university level and offering courses in commerce, industry and government to management-level executives.

- establishing and developing a program of conferences and symposiums geared to top-level management in business, commerce and government sectors.

- sponsoring summer internship programs for executives in business, commerce and government sectors to provide them with the latest knowledge, strategies and practices in management and administration.

The seminar schedule for 1995 includes: Strategically Framing the Human Resources Function, taught by Donald W. Turner, Management Development Programs and Services, April 27-28; Business Logistics Management, taught by Richard R. Young, The Smell College, June 21-22; World Class Business Administration: Meeting the Challenge of Organizational and Personal Effectiveness, taught by Dr. Turner, Aug. 17-18; and Project Management, taught by Edward T. Reutzel, The Smell College, Nov. 2-3.

The PRIME project marks Penn State's second educational partnership with the Ana G. Mendez University System. In April 1993, the University signed a formal agreement to develop cooperative initiatives in the areas of educational research, development, instruction and community service.



Liana I. Loyola

### PROMOTIONS

#### Staff

Joseph Aki, project associate in College of Agricultural Sciences. Jennifer B. Anderson, field director I in Division of Development and University Relations.

Leanne Baughman, applications/programmer analyst, Computer and Information Systems, in Office of Administrative Systems.

Judy S. Bayliss, supervisor, Computer Systems and Operations, at The Hershey Medical Center.

Robert D. Blair, finance and accounting assistant at The Hershey Medical Center.

Stephanie L. Bohannon, system training specialist at The Hershey Medical Center.

Sandra K. Brightbill, staff assistant VI at The Hershey Medical Center.

Mac E. Bryan, reactor supervisor/engineer in College of Engineering.

Donna M. Buchwalter, manager, Food Services II, in Housing and Food Services.

Martha J. Bussa, staff assistant VII in Division of Development and University Relations.

Kristy K. Catalan, program aide in Continuing and Distance Education.

Douglas G. Copella, information technology associate in Applied Research Lab.

#### Technical Service

Kenneth F. Ball, operator, Network Production Printer, in Business Services.

Janine R. Banko, operating room assistant at The Hershey Medical Center.

Jason P. Bierly, maintenance worker (Recycling) in Office of Physical Plant.

David D. Coval, coal and ash equipment operator in Office of Physical Plant.

Bruce C. Keen, operating mechanic in Office of Physical Plant.

Jennifer S. Stover, operator A, Centralized Copy Center, in Business Services.

## Fellows

continued from page 1

advertising and sales promotion manager at WBZ, Boston, where he was subsequently named account executive in 1967. In 1968, he moved to Group W Radio's national sales rep firm, Radio Advertising Representatives, New York, as account executive. He returned to Pittsburgh in 1969 as sales manager of KDKA Radio, and became the station's general sales manager in 1970.

In 1975, he was named general manager of WOWO, Ft. Wayne, Ind., and in 1977 was appointed general manager of KYW Newsradio. He was appointed vice president/AM stations in 1981 and became vice president and general manager of WINS all-news radio in New York City in 1987. He became vice president of development for Group W Radio in 1993.

Active in community affairs, Mr. Maurer was chairman of Call for Action, the referral assistance organization that works in partnership with radio and television stations. He has also served in various capacities of support for The Salvation Army, United Way, American Red Cross, Police Athletic League, United Negro College Fund, Better Business Bureau, Leukemia Society, Helen Keller Services for the Blind, and the Alumni Society Board of Directors for the School of Communications.

A native of Pittsburgh, he graduated from Penn State in 1955 with a bachelor of arts degree in journalism, majoring in advertising.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

## 25-year Awards



Observing 25 years service at the University are, from left, Patricia Powley, county extension director for Dauphin County; Mary Puffer, manager of financial operations in administrative services, and Dennis Woinick, associate professor of horticulture, all in the College of Agricultural Sciences; Steven Barnes, assistant professor of education; Robert Bresler, professor of public policy and director of the School of Public Affairs, and Carolyn Dexter, professor of management and marketing, all at Penn State Harrisburg.

## LECTURES

### Research universities is topic of C&DE Scholar's Forum

The origins and evolution of the American research university is the theme of Roger L. Geiger's presentation for the eighth Continuing and Distance Education (C&DE) Scholars' Forum.

Dr. Geiger, an internationally recognized scholar on the academic research system, the history of American higher education and comparative higher education, will discuss "American Research Universities: Past, Present and Future" at 9 a.m. Wednesday, April 12, in the Alumni Lounge of the Nittany Lion Inn at University Park. An informal discussion and refreshments will follow. The University community is invited to attend.

Dr. Geiger, professor of higher education, is author of two books comprising a history of American universities in the 20th century: *To Advance Knowledge: The Growth of American Research Universities, 1900-1940*, and *Research and Relevant Knowledge: American Research Universities Since World War II*, published by Oxford University Press, 1986 and 1993, respectively.

In his presentation, he will talk about the merging of higher education and research into a single enterprise known as the American research university. He will explore the various models attempted until the standard structure emerged, as well as the modifications that have taken place to this model over time, changes in external funding and the direction of research universities in the 21st century.

The C&DE Scholars' Forum was established to provide an opportunity for University faculty and staff members to present research-based information relating to an aspect of continuing and distance education, as well as to encourage long-term discussion and interaction.



Roger L. Geiger

### Radars specialist to speak on April 7

John V. Evans, an aeronomer and radar specialist, will present the twelfth annual Arthur H. Waynick Memorial Lecture at 8 p.m. Friday, April 7, in Room 112 Walker Building, on the University Park Campus. His talk is titled "Twenty years of Incoherent Scatter Studies of the Ionosphere."

Radio reflection methods of studying the earth's ionosphere began in the 1920s. Although rocket and satellite in situ measurements have since provided powerful new ways to study the ionosphere, radio methods continue to be important as a result of the technique known as incoherent scatter. Through incoherent scatter, returns

from the free electrons in the ionosphere are observed using a very high power VHF or UHF radar. Dr. Evan's talk describes the early years when this technique was developed (roughly 1960-1980), and the results that were obtained at the Millstone Hill radar in Massachusetts.

In 1975, Dr. Evans was awarded the Appleton Prize by the Council of the Royal Society of London for his contributions to ionospheric physics. He is president of COMSAT Laboratories in Clarksburg, Va., the largest research center devoted entirely to satellite communications research.

Based on specific sea corals. With the help of colleagues, he went on to develop a process for replicating the microstructures of coral in ceramic, polymer and metal, which led to the development of "synthetic bone."

His lecture will report on the history of the science and technology behind the first commercial biomimetic biomaterial, and the technical and regulatory hurdles a researcher must overcome in obtaining a patent and introducing a new product.

### Australian ambassador to give Schreyer lecture April 12

Don Russell, the Australian ambassador to the U.S., will deliver the second lecture in the William A. Schreyer Ambassador Lecture Series at 3 p.m. Wednesday, April 12, in the Fritzel Room of Eisenhower Chapel on the University Park Campus.

Titled "The Promise of Asian Economic Cooperation: Australian Policies and American Implications," Ambassador Russell's lecture is cosponsored by The Smell College's Center for Global Business Studies and the Australian-New Zealand Center, in collaboration with the Asia-Pacific Task Force.

Ambassador Russell has been a senior economic adviser to the Australian government for the past decade. In 1985, he became an economic adviser and chief of staff to Prime Minister Paul Keating, and from 1985 to 1991, he served as treasurer. He was assigned as ambassador to Washington in 1993.

He earned a doctoral degree in economics from the London School of Economics, a master's degree in economics from the Australian National University and a bachelor's degree in economics from Flinders University.

The Center for Global Business Studies is a new, multidisciplinary research center delving into emerging business issues in the international marketplace. In addition to sponsoring the Ambassador Series, the center will hold a series of symposia to provide opportunities for executives, faculty members and students to exchange knowledge and ideas on international business. Fariborz Ghader, holder of the William A. Schreyer Chair of Global Management, Policies and Planning, is founder and director of the center.

Founded in 1982, Australia-New Zealand Studies Center is a constituent unit of the Intercollege Research Program and is directed by Henry S. Albinski, professor of political science and of Australian and New Zealand studies.

### Lecture today on U.S.—East Asian relations



Richard L. Walker

Richard L. Walker, James F. Byrnes Professor emeritus and ambassador-in-residence at the University of South Carolina, will speak on "U.S.—East Asian Relations: The Cultural Dimension" at 4 p.m. today in the HUB Assembly Room.

Dr. Walker, a native of Bellefonte, served on the Yale Faculty until 1957 when he moved to South Carolina to organize and head its new program in International Studies. In 1961, he founded the Institute of International Studies at South Carolina which has grown into a preeminent national center for research, conferences, consultation and publications.

Drawing on family missionary background in China and intensive language training while in the Army, Dr. Walker served as a Chinese interpreter with General MacArthur's Headquarters in the Pacific Theater of Operations during World War II. He was recalled to active duty at the start of the Korean War in 1950 and has subsequently lived and worked in East Asia on numerous occasions both for service with the United States Department of State and the United States Information Agency and as a visiting scholar.

His lecture is presented by the East Asian Studies Program.

### Economics expert to give April 13 talk

Nancy Stokey of the University of Chicago will present "Are There Limits to Growth?" at 2:30 p.m. Thursday, April 13, in Room 360 Willard Building on the University Park Campus. The seminar is the third in the 1994-95 Seminar Series sponsored by the Department of Economics and the Institute for Policy Research and Evaluation.

Dr. Stokey received her Ph.D. from Harvard University in 1978 and was a member of the faculties at the University of Minnesota and Northwestern University. She has been on the facul-

ty at the University of Chicago since 1990.

A leading expert on economic dynamics and growth, Dr. Stokey has written one book and 19 articles. She has served as an associate editor for *Games and Economic Behavior*, *The Journal of Economic Theory*, and *Econometrica*. She is a fellow of the Econometric Society, and was inducted as a fellow of the American Academy of Arts and Sciences in 1993.

For additional information, contact Thomas Gressick at 863-8007.



Don Russell

### Materials innovation lecture on April 12

E.W. White, of Intertec International, will deliver the first "Real Materials Innovation" lecture at 3:45 p.m. April 12, in 189 Materials Research Laboratory. The talk, co-sponsored by the Intercollege Materials Research Laboratory, Department of Materials Science and Engineering and the Bioengineering Program, will focus on "Bringing a New Biomaterial to the Marketplace."

Dr. White, former professor of solid state science at Penn State, developed the world's first biomimetic material



## More Lectures

### Holocaust survivor will recount experiences today

Nesse Godin, a survivor of the Shauliai, Lithuania, Ghetto, the Stutthof concentration camps and four labor camps, will give her personal glimpse of this period of history when she speaks at 4:30 p.m. Thursday, April 6, in the Perkins Student Center Theatre at Penn State Berks Campus. Her life story has appeared in numerous publications such as the *Washingtonian Magazine*, *Scholastic News*, and the *Pentagram*. She has appeared on many television news programs and specials, including a recent Holocaust documentary hosted by Walter Cronkite. Admission is \$3 for adults and \$2 for students and senior citizens.

### CQI director to give engineering lecture today

George E. Dieter, director of the University of Maryland Office for Continuous Quality Improvement, will deliver the Honorary Engineering Lecture at 4 today in 125 Reber Mechanical Building on the University Park Campus.

In his lecture, "The Engineering Profession is at a Watershed and Will Engineering Education Respond," he will discuss current practice in light of major technological, political and economic changes worldwide.

An expert in engineering education and total quality management, Dr. Dieter's research interests also encompass materials processing, mechanical metallurgy, and engineering design. He is the author of popular text books, *Mechanical Metallurgy* (now in its third edition) and *Engineering Design* (now in its second edition).



George E. Dieter

## Co-chairs picked for Alumni Association National Service Week May 15-21

Franco Harris, former Pittsburgh Steeler and Most Valuable Player of Super Bowl IX, and Sue Paterno, wife of Penn State football coach Joe Paterno, have been named national honorary co-chairs of the upcoming Penn State Alumni Association (PSAA) National Service Week. They are both Penn State alumni.

PSAA National Service Week, the Alumni Association's first national-wide community service initiative, will be held May 15-21. During that week, alumni chapters, societies, interest groups, and individuals across the country will do volunteer work that will benefit local communities and people served by charitable groups, social service agencies, and other non-profit institutions.

Projects will include housing construction with Habitat For Humanity, volunteer work in homeless shelters and centers for abused women and children, and participation in blood drives, community cleanup campaigns, and philanthropic endeavors.

"Penn State has always had a national presence in education and sports," Mr. Harris said. "It's great to see the Alumni Association extend this presence to serving the community. This is what being the best is all about."

Mr. Harris, a Pittsburgh business executive and a 1972 Penn State graduate, is one of four former Penn State football players in the Pro Football Hall of Fame.

A nine-time Pro Bowl selection, he played 13 seasons in the National Football League, 12 of them with the four-time Super Bowl champion Pittsburgh Steelers.

Penn State's Dance Marathon, the nation's largest student-run philanthropy, taught us that people joining together to help others can really make a difference," Mrs. Paterno said. "What we learned there we can now apply in our communities."

Mrs. Paterno, who was honorary chair of the 1994 Centre County, United Way Campaign, devotes much of her time to community service and philanthropic endeavors. She serves on the Pennsylvania Special Olympics Board and chairs the opening and closing ceremonies at the state games. A 1962 Penn State graduate, she also chairs the Libraries Development Advisory Board, a volunteer group that leads the University Libraries' ongoing fund-raising efforts.

Last July, Penn State's Board of Trustees voted to name an addition to Pattee Library at the University Park Campus the Paterno Library, in honor of Joe and Sue Paterno, who led a successful 18-month campaign for private gifts to help build the addition. The campaign raised \$13.75 million. The Paternos also serve as members of the National Development Council, Penn State's top fund-raising advisory body.

Terrie Rizzo, a 1968 Penn State graduate, is PSAA National Service Week task force chairperson.

## Smeal group to hold May conference at Nittany Lion Inn

The May member meeting of a Smeal College research institute will focus on the ways new business philosophies and communications technologies are changing the way companies are relating to one another.

Members of the Institute for the Study of Business Markets (ISBM) will gather at the Nittany Lion Inn on the University Park Campus May 2-4 for presentations and discussions concerning integrated marketing communications, electronic commerce, and customer input to product development.

Lance Dixon, director of purchasing for the Bose Corporation, will be the meeting's featured speaker, addressing the subject of "Just-In-Time II: Revolution in Buying and Selling." Arvind Rangaswamy, associ-

ate professor of marketing, will speak on "The Present and Future of Electronic Commerce," and Gerry Santoro, assistant professor of speech communications and research programmer, will cover "Business Resources on the Internet."

Other speakers at the conference will be from the University of North Carolina, Northwestern University, the University of Chicago, Louisiana State University, IBM, AT&T, Lanier Worldwide, Raychem, and Rohm & Haas.

Formal sessions will be opened by Irv Gross, executive director of ISBM, and closed by Gary L. Lillien, research director of the institute.

## Faculty/Staff Alerts

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for these courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

■ **Personal Innovation (PRO 019)** Will stimulate your creative talents and provide different pathways for you to become more innovative on the job and in other areas of your life. Meets Friday, May 5, 9 a.m.-4 p.m. in 319 Rider Building; cost: \$55.00.

■ **Violence In The Workplace: Assessment and Responses (WEL 046)** This course is designed to help managers and supervisors assess employee potential for acting violently in the workplace. Meets Thursday, May 4, 1:15-4:45 p.m. in 319 Rider Building; cost: None.

■ **Data Analysis and Interpretation: A Practical**

"How-To" Approach (CQI 024) Designed to give individuals a practical approach to data analysis and interpretation. Meets Monday, May 8, 9 a.m.-4 p.m. in 319 Rider Building; cost: None.

■ **Book Discussion Seminar: "Men Are From Mars, Women Are From Venus" (WEL 049)** Participants will review and discuss the best seller which examines communication styles of men and women. Meets Tuesday, May 9, 1:30-4:30 p.m. in 319 Rider Building; cost: \$35.00.

■ **Facilitator Training II (CQI 006)** Provides facilitators with a set of warm-up and team-building exercises to create an atmosphere for effective teamwork. Meets Wednesday, May 10, 9 a.m.-4 p.m. in the Shaver's Creek Environmental Center, located in the Stone Valley Recreation Area; cost: \$10.00, for lunch.

■ **Making Work Stations Safe For You (WEL 059)**

Provides basic information on the anatomy and functions of the back, neck and upper extremities, as well as the effects of forces on the body at employee workstations. Meets Wednesday, April 12, 8-10 a.m., in 118 Agricultural Science and Industries Building; cost: None.

■ **Tools and Techniques For Managing Projects (PRO 032)** Provides participants with the knowledge and tools necessary to successfully manage technical projects. Meets Wednesday, May 10, 9 a.m.-4 p.m. in 319 Rider Building; cost \$35.00.

■ **Applying Quality Principles In Daily Work (CQI 002)** Will provide the skills necessary to improve daily work processes. Meets Thursday, May 11, 1:30-5 p.m. in 319 Rider Building; cost: None.

# The Arts

AT PENN STATE

## Bach's Lunch

The Penn State String Ensemble will perform for the Bach's Lunch concert series at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and University Lutheran Parish.

The concert will feature string players from the studios of James Lyon, assistant professor of music; Donald Hopkins, associate professor of music; and Kim Cook, assistant professor of music. There will be several string quartet performances as well as solo performances. Composers include Beethoven, Smetana, Bartok and J.S. Bach.

On April 13, voice students of Susan Boardman and Suzanne Roy, both faculty members in the School of Music, will perform for the Bach's Lunch concert series at 12:10 p.m.

The audience is invited to take a brown bag lunch to eat in the Roy and Agnes Wilkinson Lounge after the performance. Coffee and tea will be provided.

The concerts are free to the public.

## One-act operas

The Penn State Opera Theatre will present "The Medium," and "The Old Maid and the Thief" as a double bill of one-act Gian Carlo Menotti operas at 8 p.m. Friday, April 7, and Saturday, April 8, in Schwab Auditorium on the University Park Campus.

The story of "The Medium" centers on Madame Flora, "Baba," an uncaring and grasping charlatan who cheats customers by staging fake seances with the help of her daughter Monica, and a mute boy named Toby. Starring in the title role is Melissa Hart, associate professor of musical theatre at Penn State and recipient of a Tony nomination for her Broadway appearance in "Georgy." The role of Monica is played by Melissa Walner, and Toby is played by T. J. Krinock. The customers at the scene are portrayed by Stephanie Seifrit, Matthew Shaw and John McCarthy and Sarah Eyerly.

The other half of the Menotti bill, "The Old Maid and the Thief," is subtitled "a grotesque opera in 14 scenes." It is a single lady and her maid are smitten with the charms of an itinerant hobo whom they believe to be a thief. Miss Todd, the "Old Maid" is played by Jeanne Nagurny, and Laetitia, her maid, is played by Karen Eckenroth.

The operas are directed by Susan

Boardman, director of the Penn State Opera Theatre, and are accompanied by John Ulrich at the piano.

Tickets are \$4.50 and can be bought in advance from the Eisenhower Ticket Center or at the door of Schwab Auditorium before the performances. For ticket information, contact the Eisenhower Auditorium Ticket Center, Monday through Saturday, 8:30 a.m.-4:30 p.m., at (814)863-0253.

## Flute recital

Flutist Eileen Yarrison, instructor in music, will present a faculty recital at 7 p.m. Saturday, April 8, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The program will consist of music by the composer Katherine Hoover, and will feature the flute alone as well as in combination with soprano voice, horn and piano.

Assisting Ms. Yarrison will be music instructor Jill Olson, piano; School of Music alumna Christine Mullen, soprano, and graduate assistant Christopher Greene, horn.

The concert is free to the public.

## Women's chorus spring concert

The Penn State Women's Chorus will present its spring concert at 4 p.m. Sunday, April 9, in the College of Arts and Architecture School of Music Recital Hall on University Park Campus. The ensemble is made up of more than 60 women from all academic areas. The group is under the direction of Alex Hill, instructor in music, and Assistant Conductor Don Hall, graduate assistant in music.

The Women's Chorus, which last year celebrated its 50th anniversary, has devoted much of this concert season to music from around the world. The April 9 performance will feature original works by composers of many nationalities. In addition to the full choir, the Keynotes (a chamber group of 15 voices), will perform a set of works, featuring "Petites Voix," by the 20th century French composer Francis Poulenc.

Tickets for the concert are available from their members and at the door. Prices are \$4 for general audiences and \$2 for students.

## Trombone choir festival

Penn State's Trombone Choir will host the Frühling Posaunen festival at 7 p.m. Palm Sunday, April 9, in the College of Arts and Architecture School of Music Recital Hall on University Park



**MFA thesis exhibit**

This untitled print, as well as others by William Meisburger and Evan Brown, is on display through April 9 in Zoller Gallery on the University Park Campus as part of their master of fine arts thesis exhibits.

Campus. The festival is an annual event which brings together four collegiate trombone choirs, a group of outstanding high school trombonists, guest artists of the highest calibre, and music vendors from across the state.

Each year, the location for the festival shifts between the three regular participants, the Eastman Trombone Choir, Penn State Trombone Choir and the Ithaca Trombone Troupe. Additional choirs (this year the Indiana University of Pennsylvania Trombone Choir), and chamber ensembles will take part in the day's activities and concerts.

A masterclass by Boston Baked Bones, a professional trombone quartet led by Scott Hartman, will be included in this year's festival. Also, John Marcullus, of the Eastman School of Music, will lead a masterclass and performance with high school students participating in the Pennsylvania High School Honors Trombone Choir. The main concert will feature all the trombone choirs and the Frühling Posaunen Choir, made up of faculty, graduate students and professional trombonists.

The Penn State Trombone Choir, under the direction of Mark L. Lusk, associate professor of trombone in the School of Music, supports original written or arranged compositions by its members.

The festival is free to the public.

## Printmaking exhibits

Evan Brown and William Meisburger, master of fine arts candidates in the printmaking division, School of Visual Arts, will present their thesis exhibits through April 9 in Zoller Gallery on University Park Campus.

Mr. Brown will exhibit recent intaglio prints and drawings that are based on historic literary texts combined with personal history defining the real condition of his existence as

he perceived it. Mr. Brown has exhibited his work at Dartmouth College, Syracuse University, Penn State and at the Big Ten Conference Atrium Gallery in Park Ridge, Ill.

Mr. Meisburger's work focuses on memories of landscapes from his native Charleston, S.C. Using a combination of materials, including printmaking, his work offers a view of his recollections. He has exhibited his prints and drawings at Halsey Gallery in Charleston, S.C., Syracuse University, Penn State and The Piccolo Socolo Juried Exhibition at Charleston, S.C.

The exhibition is open to the public.

## Drawing exhibition

An exhibit titled "Pondscape ala Claude Monet: A Student Drawing Exhibition," is on display in the store window of Mode, 123 S. Allen St. in downtown State College through April 10.

The exhibit features drawings by students enrolled in the Architecture 120B Visual Communication course taught by Richard Alden, assistant professor in the College of Arts and Architecture Department of Architecture.

## Arts lecture

Madeline Ali, African American producer and director of the feature documentary "Black and the Promised Land," will speak at 7 p.m. Tuesday, April 11, in the Palmer Museum Auditorium at University Park.

"Black To The Promised Land" is the story of 11 African-American teenagers, who with their Jewish teacher, travel from their homes in the Bedford-Stuyvesant section of Brooklyn to Israel, where they spend several months living and working in a Kibbutz.

In Israel, we witness the fascinating and amusing unfolding of an Israeli experience as they confront a culture, a people, a language and a way of life completely alien to anything they have ever known. Back in Brooklyn, several months after their return, the film examines the effects of this unusual experience in alternative education, as the kids attempt to resume life in the inner city.

The presentation is co-sponsored by Hillel—The Foundation for Jewish Campus Life, Center for Epics & Religious Affairs, Jewish Students Department, Yachad, Palmer Museum of Art, and the Office of the Vice Provost for Educational Equity.

## Spring concert

The Penn State Mallet Ensemble, under the direction of Dan C. Armstrong, associate professor of music, will present its annual spring concert at 8 p.m. Tuesday, April 11, in the College of Arts and Architecture School of Music Recital Hall.

The ensemble will present music from its recent invented performance





Jason Chernosky, a graduate student in English, explains the history of the word "hyperspace" to neighboring exhibitors Lori West and Aissata Sidikou.

# Graduate Research Exhibition

Special section  
April 6, 1995

**T**he Tenth Annual Graduate Research Exhibition, held March 17-18, featured the work of nearly 200 graduate students. Exhibits spanned the research spectrum from a fractal analysis of bean roots to a study of blood flow through heart valves to the creation of an online version of the Palmer Museum of Art.

Prizes totaling \$10,000 were awarded to 59 poster presentations in five categories — arts and humanities, engineering, health and life sciences, physical sciences, and social and behavioral sciences.

Seventy-nine faculty judges graded the exhibits in three areas: content (60 percent of total score), display (30 percent), and oral presentation (10 percent). Each poster presentation was judged by one expert in the same or an allied discipline, and by two judges from outside the student's field.

Those exhibits judged to be the best conveyed both the research project's significance to scholars in the field and its potential significance to the general public. They testified to the careful design and execution of the research and presented clear results that were well interpreted.

The Graduate Research Exhibition was established in 1986 to celebrate research as an essential and exciting part of graduate education at Penn State.

"In most cases, the exhibits are the result of a long-standing collaboration between a student and his or her adviser," said William D. Taylor, acting dean of the Graduate School. "The exhibition is the Graduate School's way of expressing the importance we place on students' ability to communicate the goals and significance of their research, not only to their advisers and peers, but to society in general."

The Graduate Research Exhibition is sponsored each year by the Office of the Senior Vice President for Research and Graduate Education. Judging is organized by the Graduate Council Committee on Research, whose members are: Keith Crnic, professor of psychology; chair, Maureen Carr, professor of music theory; Gary Catchen, associate professor of engineering; Diane Henderson, assistant professor of mathematics; Joan Lakoski, associate professor of pharmacology/anesthesiology; Predeep Singh, graduate student in agricultural engineering; Frederick Williams, associate professor of biology; Robert Yeh, associate professor of nutrition; William D. Taylor, acting dean of the Graduate School/director, Intercollege Research Programs, and K. Jack Yost, associate vice president for research and technology transfer.

**Those exhibits judged to be the best conveyed both the research's significance to scholars and its potential significance to the general public.**

# Winners of the Tenth Annual Exhibition

## FIRST PLACE

### ■ Engineering:

Juan-Carlos Maymir, Intercollege Graduate Degree Program in plant physiology, "Mean Velocity and Reynolds Stress Measurements in Regurgitant Jets of Tilting Disk Heart Valves."

### ■ Health and Life Sciences:

Kai Nielsen, horticulture, College of Agricultural Sciences, "Fractal Analysis of Bean Root Systems."

### ■ Physical Sciences:

Julia Gavin, Maurie Garcia, and Nanlin Deng, chemistry, Eberly College of Science, "The Preparation of Combinatorial Libraries of Cyclophanes as well as Selectors in Preparative Scale Chiral Separations."

M. Travis DiNicola, art education, College of Arts and Architecture, "The Palmer Museum of Art, ONLINE."

Roberta Kessler, landscape engineering, College of Arts and Architecture, "Addressing Contemporary Issues in Historic Landscapes: A Case Study Focusing on Eastwood Cemetery in Lancaster, Mass."

Norval Bard, French, College of the Liberal Arts, "Iconography and the Bayeux Tapestry."

### ■ Engineering:

Michael Bradford, chemical engineering, College of Engineering, "The Catalytic Reforming of Methane with Carbon Dioxide."

A. E. Renaud, veterinary science, College of Agricultural Sciences, "Identification of *in vitro* Cytochrome P450 Modulators for Detecting Induction Produced by Prototype Inducers Including a Coplanar Polychlorinated Biphenyl in the Mallard Duck."

### ■ Physical Sciences:

Ray Hoobler, chemistry, Eberly College of Science, "Laser Controlled Chemistry: Changes in Atom-Dimer Density Resulting from Atomic Orientation."

Leena Selvaraj, materials science and engineering, College of Earth and Mineral Sciences, "Potential Thermal Stabilizers for Jet Fuels Above 400 Degrees C."

### ■ Engineering:

Jianzhong Zhang, Zheng Zhang, and Brett Guenther, electrical engineering, College of Engineering, "Investigation of Novel Fiber Sensor."

### ■ Health and Life Sciences:

Keith Gooch, aerospace engineering, College of Engineering, "Why Does Atherosclerosis Occur Where it Does."

Christine Jurasinski, physiology, College of Medicine, "Amino Acids but not Insulin Augment Protein Synthesis in Skeletal Muscle During Sepsis."

Laurie Bishel, Intercollege Graduate Degree Program in ecology, "Soil Properties of Natural Reference Wetlands and Wetland Mitigation Projects in Pennsylvania."

### ■ Physical Sciences:

Pawel Koblinski, physics, Eberly College of Science, "Growth of Interfaces: Mechanism, Dynamics, and Structures."

Frances Cooper, geosciences, College of Earth and Mineral Sciences, "Using Carbon Isotopes to Determine Past El Niño Events."

### ■ Social and Behavioral Sciences:

Sherrie Bartell, public administration, Penn State Harrisburg, "Public Budgeting Laboratory: A Computer-Based Instructional Delivery System."

## HONORABLE MENTION

### ■ Arts and Humanities:

Rike Brisson, comparative literature, College of the Liberal Arts, "Women on the Move: Women's Travel Literature as Evidence of Finding the Self in the Other."

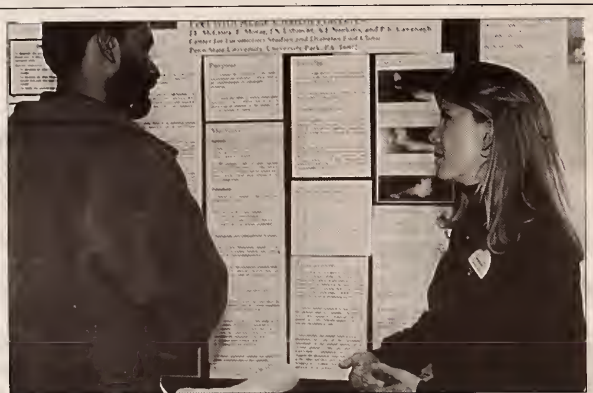
### ■ Engineering:

Jinwhan Lee, industrial and management science engineering, College of Engineering, "Intelligent Integrated Diagnostics (IID) for Powder Injection Molding (PIM) Process."

Ramnath Ganesan, engineering science and mechanics, College of Engineering, "A Numerical Method to Integrate Parabolic Equations."

Marjorie Rawhouser, Intercollege Graduate Degree Program in bioengineering, "A Model of

See Winners on page 9



Jean McCrory, right, explains her research into diabetes-related foot problems to an interested visitor.

Photo: PhotoGraphic Services

■ Social and Behavioral Sciences: Dawn Obeidallah, human development and family studies, College of Health and Human Development, "Picking Up the Pace: Accelerated Life Course and Adolescents' Development."

Lisa Rose Ludvick, anthropology, College of the Liberal Arts, "Reproductive Strategies of Harem Females."

## SECOND PLACE

### ■ Arts and Humanities:

Deborah Sneekenger, Intercollege Graduate Degree Program in bioengineering, "A Comparative Study of Cavitation on Prosthetic Heart Valves."

■ Health and Life Sciences: Michelle Vettese-Dadey, biochemistry, microbiology, and molecular biology, Eberly College of Science, "The Function of Acetylated Histone N-Termini in Transcription Factor Binding to Nucleosomal DNA."

### ■ Social and Behavioral Sciences:

Donna Dorough, curriculum and instruction, College of Education, "Fifth and Sixth Grade Students' Explanations of Global Warming and Ozone: Conceptions Formed Prior to Classroom Instruction."

## THIRD PLACE

### ■ Arts and Humanities:

Laura Moorhead, landscape architecture, College of Arts and Architecture, "Improving Bird Habitat and Water Management in a Residential Landscape."



## Winners

Continued from page 8

Controller Electronics in a Brushless DC Motor Controlled by Pulse Width Modulation."

Jun Li, materials science and engineering, College of Earth and Mineral Sciences, "Fly or Fall — The Effects of Surface in Developing Thermally-Stable Jet Fuels for Super-Sonic Jet Aircraft."

Stephen Cumblidge, nuclear engineering, College of Engineering, "Examining Reactor Pressure Vessels Using Positron Annihilation Lifetime Spectroscopy."

V. M. Palekar, C. J. Lee, and R. J. Shah, chemical engineering, College of Engineering, "Deposit Forming Tendency of Automotive Crankcase Lubricants."

Steven Spadt, Intercollege Graduate Degree Program in bioengineering, "Development of the Total Artificial Heart Motor Evaluation System."

Grant Braught, electrical engineering, College of Engineering, "Application of Modern Control Theory to the Control of Artificial Superorganisms."

Guowen Lu, Mingzhe Lu, and Tracy Hudson, electrical engineering, College of Engineering, "Optical Pattern Recognition with a Joint Transform Correlator."

Andrew Smith, mechanical engineering, College of Engineering, "Classification of Space Acceleration Measurement Systems (SAMS) Data Using Neural Networks."

Christopher Poe, civil and environmental engineering, College of Engineering, "Design of Low-Speed Urban Streets."

### ■ Health and Life Sciences:

Timothy Mayer, microbiology and immunology, College of Medicine, "EGFR and PDGFR Expression in Cervical Epithelium During Carcinogenesis."

Naomi Lovoal, entomology, College of Agricultural Sciences, "Effects of Parasitism by *Cotesia congregatus* on the Immune Activity of FAD-Glucose dehydrogenase (GLD) in *Manduca sexta* Hosts."

Tongkun Pai, Intercollege Graduate Degree Program in nutrition, "Stearate Modified VLDL Lipid Composition and Particle Size Differently from Other Saturated Fatty Acids."

Allison Hiller, forest resources, College of Agricultural Sciences,



A visitor discusses the art education theories of Fencilloa and Dow with exhibitor Pamela Taylor (right).

"Forest Stewardship Demonstration Area: Assessing Educational Effectiveness."

Kimberly Shafer-Weaver, veterinary science, College of Agricultural Sciences, "Effects of Interleukin-2 and Stage of Lactation on Bactericidal Activity of Bovine Lymphocytes."

Grover Paul Miller and Bruce Posner, chemistry, Eberly College of Science, "Applying a Chain-Shuffling Technique to Enhance Catalysis by an Antibody."

Tatyana Shehergan and Jun Shi, biology, Eberly College of Science, "Isolation and Cloning of Expansin Genes."

Kristen Aherne, animal science, College of Agricultural Sciences, "Isolation and Characterization of Bovine Mammary Endothelial Cells."

Amy Bonser, Intercollege Graduate Degree Program in plant physiology, "Phosphorus Deficiency Affects Gravotropism in Bean."

### ■ Physical Sciences:

Peter Wei, chemical engineering, College of Engineering, "Modeling the Afterglow Region of a Microwave Generated Nitrogen Plasma."

Craig Robinson, astronomy and astrophysics, Eberly College of Science, "Evidence for Solar-like Activity Cycles in Magnetic Cataclysmic Binaries."



Exhibitors and visitors discuss research at the Tenth Annual Graduate Research Exhibition

Photos: PhotoGraphic Services

Joan Ramage, geosciences, College of Earth and Mineral Sciences, "Early Pleistocene Proglacial Lake Lesley, West Branch Susquehanna River, Pa."

Matthew Alan Stough, Intercollege Graduate Degree Program in materials, "Solid Solubility and Diffusivity in Zirconia/Alumina Ceramics."

Karen Bice, geosciences, College of Earth and Mineral Sciences, "Numerical Climate Model Simulation of Paleoclimatic Controls on the Distribution and Quality of Early Cretaceous Lacustrine Petroleum Source Rocks."

See Winners on page 10



Dan Mushaiko is interviewed for the public radio program "The Amazing Science Emporium" at the Graduate Research Exhibition. Photo: PhotoGraphic Services

## Winners

Continued from page 9

**Donald Smith**, agricultural and biological engineering, College of Agricultural Sciences, "Tillage Effects on Random Roughness and Residue Cover for RUSLE Soil Loss Prediction in the Northeast."

**Troy Schilling**, physics, Eberly College of Science, "Geometry of Quantum Mechanics."

**Social and Behavioral Sciences:**

**Julia Grant**, human development and family studies, College of Health and Human Development, "Genetic and Environmental Influences on Cognitive Performances: Some Preliminary Results from the Adult Russian Twin Study."

**Tammy Babe Means**, adult education, instructional systems, and vocational and industrial education, College of Education, "Relevance and ARCS Motivational Model of Instructional Design."

**Becky Spritz**, psychology, College of the Liberal Arts, "Parental Influences on Young Children's Coping with Stress."

**Anne Bennett Edwards**, human development and family studies, College of Health and Human Development, "Employed Family Caregivers of Cognitively Impaired Elderly: An Application of Role Theory."

**Kristen Robinson**, sociology, College of the Liberal Arts, "The Relationship Between Lifestyle Behavior and Degree of Morbidity Before Death."

**Richard Moraga**, psychology, College of the Liberal Arts, "EEG Correlates of Psychological Dissociation: Modeling Awareness States."

**Joan Graham**, human development and family studies, College of Health and Human Development, "Someone Who Cares: Evaluation of a School Adviser Program."

**Kathleen Krehling**, agricultural economics and rural sociology, College of Agricultural Sciences, "Economic Restructuring in the Northeast: Nonmetro Counties in a Changing Economy."

Excerpts from the keynote address by Marlene Burkhardt

## Penn assistant professor gives advice on tenure track

Marlene Burkhardt, of the Wharton School of the University of Pennsylvania, opened the Tenth Annual Graduate Research Exhibition with advice on making the transition from graduate school to the tenure track.

Dr. Burkhardt received her Ph.D. in business administration from Penn State in 1990 and holds the position of Anheuser-Busch Assistant Professor of management in the Wharton School. Her research interests include organizational change; the interplay of power, technology and structure; the relationship between structure and individual characteristics; and changes in social networks over time.

"Even as a student, I was overly optimistic," she told Graduate Research Exhibition participants. "My department chair told me I'd never get an interview for a job at Stanford, and if I did, he'd eat his hat. I did, and he didn't."

"My point is, you can go anywhere from Penn State, but you have to design where you want to go."

The first step is choosing the dissertation topic.

"If you don't get significant results for your dissertation, it's still going to be a dissertation," Dr. Burkhardt noted, encouraging students to aim high. "It's better to take a risk as a graduate student than when you're on tenure track."

Students should keep in mind, she added, that "research does not proceed in a linear fashion," and they should be prepared for opportunities. Having a role model is also critical, Dr. Burkhardt believes.

Getting job interviews, she said, begins with a student's committee selection.

"New faculty are key people to have on your dissertation committee. They are very productive, they've been out on the job market, and they're up on the latest things."

Networking at conferences is also important, as is presenting your research with enthusiasm and confidence. Finally, graduate students should be sure to have teaching experience and work experience in their field.

Dr. Burkhardt's lecture was sponsored by the Graduate School and the Graduate Council.

**"My point is, you can go anywhere from Penn State, but you have to design where you want to go."**



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

### Thursday, April 6

Bach's Lunch, 12:10 p.m., Eisenhower Chapel.  
The Penn State Sing Ensemble.

Applied/Economics Workshop, 2:30 p.m., 420 Korn. Jesus Gonzalo on "Colligation in Large Systems."

Center for Women Students, 4 p.m., HUB Gallery Lounge. Sarah Lucia Hoagland on "Heterosexuality, Power and the Mother Model of the Care Ethic."

■ East Asian Studies Program, 4 p.m., HUB Assembly Room. Richard L. Walker on "U.S.—East Asian Relations: The Cultural Dimension."

Health and Human Development, 4 p.m., 209 Henderson Bldg. South. Gerald E. McClellan on "Nature and Nurture: Two-part Harmony."

School of Music, 8 p.m., Recital Hall. Penn State Low Brass Ensembles/University Brass.

### Friday, April 7

AUW Book Sale, HUB. Through April 14.  
National Records Management Day Orientation Seminar, 10 a.m., C6 Petate. Also, at 3 p.m. No pre-registration necessary.

H&D, 11:15 a.m., Board Room 2, Nittany Lion Inn. The Sol Kramer Lecture. Bruce S. McEwen on "Hormones, Genes, and the Brain: Linking Nature and Nurture."

■ Gallery Talk, 2 p.m., Christofers Lobby. Debra Greenleaf on "Australian Aboriginal Painting."

Geography Coffee Hour, 4 p.m., 319 Walker Bldg. Steve Rayner on "Human Choice and Climate Change."

Medieval Banquet, 6 p.m., Nittany Lion Inn Ballroom. Presenting a medieval comedy about Noah's Ark, "The Wakefield Noah." For tickets, call 865-1367.

24th Annual Dotter Lecture, 8 p.m., Mount Nittany Room, Nittany Lion Inn. Christian Thiel on "Meaning and Validity: The Recent Rediscovery of Emil Lask."

Dance Program, 8 p.m., White Hall Dance Theatre, 132 White Bldg. Presenting "Spring Choreographers Showcase." Also, April 8 and 9, 2:30 p.m.

School of Music, 8 p.m., Schwab Aud. Opera Theatre. Tickets required, call 863-9255.

### Saturday, April 8

Little International Livestock Exposition, Ag Arena.

Shaver's Creek, 7 a.m. Waterfall Watch. Call 863-2000.

Center for Academic Computing, 8 a.m.-4 p.m., Classroom Bldg. Event focuses on instructional applications of technology. Roger C. Schank, keynote speaker, on "Learning and Multimedia Software Development." Pre-registration required, call 863-4356.

Medieval Technology Fair, noon-5 p.m., Gymnasium 1, Intramural Bldg. Through April 9. Gallery Talk, 1 p.m., Christofers Lobby, Palmer Museum. Etan Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 7 p.m., Recital Hall. Eileen Yarnison, flute.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. The Will Rogers Follies. Tickets required, call 863-9255.

The Nittany Lion Gymnastics Team hosts the 1995 NCAA Men's Gymnastics Championships East Regional, 7:30 p.m., Rec Hall. Call for tickets at 863-1000.

School of Music, 8 p.m., Schwab Aud. Opera Theatre. Tickets required, call 863-9255.



"The Medium"

As part of a double bill of one-act operas, the Penn State Opera Theatre will present "The Medium" and "The Old Maid and the Thief" at 8 p.m. Friday, April 7, and Saturday, April 8, in Schwab Auditorium on the University Park Campus. Shown here are Melissa Hart, associate professor of musical theatre, and T.J. Kinock, who star in "The Medium."

### Sunday, April 9

#### Palm Sunday

Gallery Talk, 2 p.m., Christofers Lobby, Palmer Museum. Jennifer Olson on "Old Masters at the Palmer."

Shaver's Creek, 7 a.m. John Behr on "Let's Go Trout Fishing." Call 863-2000.

School of Music, 4 p.m., Recital Hall. Penn State Women's Chorus and Keynotes. Tickets required, call 863-0431.

School of Music, 7 p.m., Recital Hall. Frühling Rosenzweig (Spring Trombones).

### Monday, April 10

Comparative Literature Luncheon, 12:40 p.m., 101 Kern. Don Kunze on "Electronic Novel: Distance Education Models."

### Tuesday, April 11

Center for Women Studies, 7:45 p.m., 104 Classroom Bldg. Film/Discussion: "Not a Love Story." Also April 13.

School of Music, 8 p.m., Recital Hall. Penn State Mallet Ensemble Concert.

### Wednesday, April 12

CADE Scholars' Forum, 9 a.m., Alumni Lounge, Nittany Lion Inn. Roger L. Geiger on "American Research Universities: Past, Present and Future."

Old Main Open House, 10 a.m.-5 p.m.

■ William A. Schreyer Ambassador Lecture Series, 3 p.m., Fizzell Room, Eisenhower Chapel. Don Russell on "The Promise of Asian Economic Cooperation: Australian Policies and American Implications."

104 Classroom Bldg. Film/Discussion: "The Date Rape Backlash: The Media and the Denial of Rape."

### Thursday, April 13

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice students of Susan Boardman and Suzanne Roy.

School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

### Friday, April 14

#### Good Friday

Passover (begins at sunset) Through April 16. 1 p.m., Palmer Lipson Auditorium. "Australia's Art of the Dreamtime: Quinkin Country."

Shaver's Creek, 6:30 p.m. Beaver Paddle. Call 863-2000.

### Saturday, April 15

Frontiers of Science, 11 a.m., 101 Osmond Hall. Robin Tulio on "How Far are We from Knowing the Fate of the Universe?"

Shaver's Creek, 1 p.m. "Whose Egg Is It?" For preschool through elementary school children. Call 863-2000.

Film, 1 p.m., Palmer Lipson Auditorium. "Reins of Light: The Baroque."

### Sunday, April 16

#### Easter

### SEMINARS

#### Thursday, April 6

■ Labor Studies and Industrial Relations, 9:30 a.m., Library of Old Bolony Bldg. Arthur Mavor on "Gender Inequality in Scotland Since 1900."

Adult. Continuing and Distance Education, noon-2:00 Keller Bldg. Cheryl Keenan on "New Trends in Adult Basic Education and Literacy: A National and State Perspective."

Physics, 3:30 p.m., 101 Osmond Hall. Sheila Tobias on "Graduate Education for the 21st Century: New Programs, New Options."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Katia Obraczka on "Massively Scaled Computing Services in Wide-Area Internetworks."

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Lee Schubert, speaker.

### Friday, April 7

Agronomy, 3:35 p.m., 107 ASI. Scott Harkcom on "Yield Response of Alfalfa to Additional Application of K Fertilizer on Soils Already High in K."

### Monday, April 10

Condensed Matter, 3:30 p.m., 339 Davey Lab. Ray Goldstein on "The Geometry of Non-Linear Dynamics from Turing Patterns to Superconductors."

Plant Pathology, 3:30 p.m., 112 Buckholz Lab. Timothy Front on "Amitelia spp. Associated with Biglyon Ash (*Populus grandidentata* Michx.) Mortality in the Tioga State Forest, PA."

### Tuesday, April 11

■ Chemical Engineering, 9 a.m., 140 Fenske Lab. W. Brian Earl on "Alternative Transport Fuels in New Zealand."

Chemistry, 3:30 p.m., SS Osmond Lab. W. Clark Still on "Rational or Irrational Approaches to Molecular Recognition."

Biology, 4 p.m., 8 Mueller Lab. Caven Chang on "The Ethylene Hormone Response in *Arabidopsis*: A Two-Component Signalling System."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Jeff Raskin on "The Interface Paradox."

The Colloquium Series, 6:30 p.m., 301 HUB. "Passage from Student to Professional."

### Wednesday, April 12

■ Center for Russian and East European Studies, 10:20 Weaver Bldg. Maria-Are Tupan on "Mythical Parallels in Romanian Literature."

Gerontology, 12:15 p.m., 101 H&D East. Lori Frank on "Decisional Capacity of Hospitalized Older Adults: Legal and Psychological Issues," and James Fluckey on "Effects of Age & Insulin on Protein Synthesis Following Resistance Exercise."

Biotechnology Institute, 4 p.m., 110 Warik Lab. William Jacobs, speaker.

### Thursday, April 13

Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Alex Corichi, speaker.

Adult. Continuing and Distance Education, noon, 201 Keller Bldg. Donna Ricketts on "Community Education: Thriving Not Just Surviving."

Economics, 2:30 p.m., 360 Willard Bldg. Nancy Stokoy on "Are There Limits to Growth?"

Physics, 3:30 p.m., 101 Osmond Hall. Leonard Mandel on "Quantum and Nonlocal Effects in Optical Processes."

Computer Science and Engineering, 4 p.m., 302 Pond Lab. Sushil Jajodia, speaker.

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Colin Drury, speaker.

### Friday, April 14

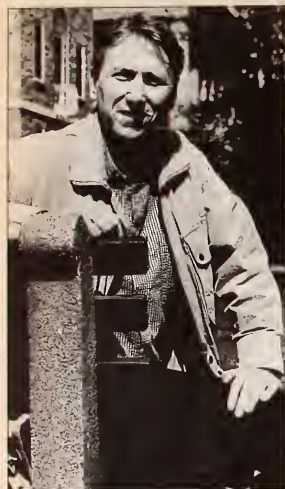
School of Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Jim Johnson on "Bringing Concepts of Ecosystem Management to Private Woodlands."

Condensed Matter, 1:30 p.m., 339 Davey Lab. Sheena Murphy on "Phase Transitions in Quantum Hall Systems."

Economics, 3:30 p.m., 413 Kern. James Riedel on "Explaining Economic Growth: Case Study of a Superstar."

Agronomy, 3:35 p.m., 107 ASI. David Walton on "Using GIS to Develop a Groundwater Topography Data Layer for Water Supply Planning."

See "Calendar" on page 13



David Day

The University's new Staff Review and Development Plan marks an important change in the way staff performance is managed at Penn State. In this article, David Day, assistant professor of psychology, takes a look at the University's new appraisal system and what it means for employees.

It's no secret that the nature of performance appraisal is changing at Penn State. In previous Intercom articles related to staff review and development, John Brighton and Jim Ryan discussed the reasons for such changes from the University's perspective. I have been invited to comment on the upcoming changes in the Staff Review and Development Plan from a broader viewpoint.

As an assistant professor of psychology with a background in industrial/organizational psychology, I have developed and evaluated employee appraisal systems for organizations, and have researched various issues involving the development and use of performance reviews in organizations.

## Changes in the way we work - part II

### Staff development from organizational and individual perspectives

My comments are organized around three general topics: (a) the need for appraisals and the appraiser's roles in this process; (b) the reasons behind the changing nature of performance reviews; and (c) how staff might benefit.

There are two major uses of performance appraisal information in organizations. One is administrative, and the other is developmental.

A typical use of performance appraisal ratings is to provide support for administrative decisions in promotion, termination, and salary distribution (i.e., merit increases). In such cases, the role of an appraiser is very much like a judge. There are limitations, however, to having people (usually supervisors) adopt this role in contemporary organizations.

Supervisors are people too, and most people are reluctant to give others poor evaluations if they think low ratings may have negative effects on promotional opportunities or merit increases. This puts pressure on supervisors to inflate or perhaps even deflate performance ratings in a biased manner. Ironically, these actions undermine the fundamental aim of the process, that is, to help make sound administrative decisions.

The other major reason for performance review is employee development. For this purpose, the role of the reviewer is more like a coach or personal trainer than that of a judge. Information gathered at an annual review can be used to provide feedback about employee progress and to discuss goals and objectives for the coming year.

Many organizations, including Penn State, are changing their performance appraisal systems to emphasize staff development rather than evaluation. A primary reason behind this widespread change is the recognition that most traditional appraisal systems inadvertently introduce a component of fear into the workplace. This kind of fear can range from mild anxiety over being rated lower than a co-worker, to a more intense fear of possibly losing a job because of a poor review. This kind of fear is not only unnecessary, it is unhealthy.

Organizations are beginning to realize that the most valuable assets are their people, and it does not make much sense to have a workforce motivated primarily by fear. No organization should be proud of creating and fostering a climate of fear, and if the people make the place (as some organizational scholars have proposed) then a fearful workforce equals a fearful organization.

In addition, by emphasizing employee evaluation at the expense of employee development, organizations are failing to use one of their most valuable

resources to its fullest extent. It is within this context that organizations have been pushing for changes in the federal tax code to have training costs associated with employee development considered an investment as opposed to a raw expense. I think this logic makes sense.

The final point I want to address is the inevitable question asked by all employees regardless of the organization: "So what's in it for me?"

I would like to be able to say that the University's new Staff Review and Development Plan will make us all healthier, wealthier, and better looking right away. Of course, I would not be completely honest if I said this. I do believe that the new system will make us a little healthier by trying to drive out fear, but I'm not sure it will make any of us noticeably more wealthy, at least not immediately. This is a roundabout way of pointing out that professional development plans at Penn State are not directly tied to individual merit increases at the present time. And I don't think they should!

Tying staff development plans to merit increases would defeat a central purpose of moving the appraisal process from an evaluative to a developmental experience.

So why should anyone be motivated to complete these developmental plans? It has been said that "pay is not a motivator." This point has merit because incentives such as pay and benefits do not translate very well into stronger individual motivation. Magically doubling everyone's pay, for example, will not make everyone work twice as hard.

Instead, what truly motivates most individuals are the intrinsic rewards — like feelings of accomplishment and self-worth associated with the work itself. We are inspired by interesting, challenging, and involving assignments, and an inspired organization can do things that exceed all previous expectations.

We may not be there yet, but the new staff development plan is a step toward helping to provide all Penn State staff with more personally enriching job experiences and fulfilling careers. It will also promote dialogue between staff and supervisors on how to improve the nature of work at the University. Implementation of development plans should contribute to individual growth, ultimately leading to a highly skilled workforce that is able to effectively respond to personal, professional, and organizational challenges in a rapidly changing world.

In that regard, we will become much wealthier and — with a little luck — perhaps even a little better looking.

— David Day



A regular column provided by the Office of Human Resources

#### Don't be caught uncovered

Periodically, a situation occurs where a faculty or staff member has a medical, dental or vision claim denied for a dependent spouse or child, because either he or she neglected to enroll the dependent or the dependent was no longer eligible. To avoid such

situations, it is important to keep the following information in mind:

- Dependents include a spouse and/or dependent children, for the purpose of University health care plans.
- Dependent children are defined as unmarried children, adopted children or step children until their 19th birthday, or dependent children between the ages of 19 and 23, as long as they are full-time students.
- University health plan coverage terminates when the dependent ceases to be a full-time student (date of graduation, for example) or upon the 23rd birthday, whichever is first.
- Physically handicapped or mentally retarded children, regardless of age, who are incapable of self-sustaining employment may continue on the University health plan provided they were previously covered under the plan prior to reaching the maximum age.

● Continuation of coverage for a physically handicapped or mentally retarded dependent child is not automatic. The Employee Benefits Division must be contacted 31 days before the coverage would otherwise terminate to obtain the appropriate continuation form.

● Dependents acquired through marriage, birth, or adoption must be added within 31 days. Dependents added after 31 days must provide insurability, and are subject to waiting periods and pre-existing condition limitations.

● For a dependent lost due to death, marriage (child), divorce or reaching maximum age (child), contact the Employee Benefits Division to obtain the appropriate forms to remove the dependent from coverage.

Questions regarding eligibility should be directed to the Employee Benefits Division at (814) 865-1473.



## Arts

continued from page 6



### Emerging artist shows works

The works of Bill Stamos, a University graduate, are on display in the HUB Browning Gallery on the University Park Campus through May 14 — including this piece. Mr. Stamos recently was named a Lixiquest Emerging Artist of the Year.

at the Music Educators National Conference in Rochester, N.Y., as well as two other works written by former Penn State students now associated with Cornell University and the University of North Carolina at Wilmington.

The rest of the concert will include music from South America written for marimba ensemble. The concert is open to the public.

### Zoller exhibit

Marquette Day and David Miller, both master of fine arts candidates in the School of Visual Arts, will present their thesis exhibits from Wednesday, April 12, through Sunday, April 23 in the Zoller Gallery on the University Park Campus.

Ms. Day's installation, titled "Spitting Glitter," is comprised of images she has sewn onto tissue paper, wax paper, dress patterns and other non-art materials, and dolls carved from pine.

Mr. Miller's works involve layering and combining the techniques and physical properties of oil paint and charcoal, which form a cycle of formation and disintegration. His latest works involve the colors of gray, pink and lavender.

Zoller Gallery is in 101 Visual Arts Building. The gallery is open 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. to 4:30 p.m. Saturday and noon to 4 p.m. Sunday. The Zoller Gallery will be closed Easter Sunday, April 16. The exhibit is open to the public.

### Symphonic Wind Ensemble

The Penn State Symphonic Wind Ensemble, under the direction of Smith Toulson, will present its Spring Concert at 8 p.m. Thursday, April 13, in the Recital Hall of the Music Building on the University Park Campus.

The ensemble will feature its brass

section. The Penn State Chamber Winds will perform *Divergence*, an Octet for oboes, clarinets, bassoons, and horns.

The concert is free.

### Ice Rhythms

The University Ice Pavilion will present "Ice Rhythms," an ice show directed by Dena Yeagley, at 7:30 p.m. Friday, April 21, and Saturday, April 22.

The program will include solos by visiting national and international figure skating competitors, featuring Aren Nielsen, 1995 U.S. Nationals Bronze medalist, World Team member and Olympic Team alternate, representing the Winterhurst Figure Skating Club.

Ice Rhythms also will feature Katie Tobin and Jim Peterson, 1995 Junior Pairs South Atlantic Silver Medalists, Easterns and U.S. Nationals competitors, representing the University of Delaware Figure Skating Club. The program will include solos and group numbers by resident professionals and skaters from student and public programs.

Advance general admission tickets are \$5 for student/youth, and \$7 for adults. The advance tickets are available through Thursday, April 20, at the Penn State Ice Pavilion main counter. Tickets purchased April 21 and 22 will be \$6.50 and \$8.50. Tickets are available by mail. Call 865-4102. There is limited seating, so early purchase of tickets is encouraged.

### Palmer Renaissance display

Master paintings from collections throughout Pennsylvania will be displayed at the exhibit titled "Continuity, Innovation, and Connoisseurship: Old Master Paintings, Drawings, and

Prints from Pennsylvania Collections" through April 30 at the Palmer Museum of Art on the University Park Campus.

The exhibition features 40 Renaissance and Baroque works. Statewide lenders include The Philadelphia Museum of Art, the Carnegie Museum of Art, Allegheny Art Museum, The Trout Gallery of Dickinson College, The Center Gallery of Bucknell University, St. Vincent Archabbey, La Salle University Art Museum, and private collections.

Gallery talks, "Old Masters at the Palmer," led by graduate assistant Jennifer Olson-Rudenko, will be given at 2 p.m. Sunday, April 9, and at 1:30 p.m. Sunday, April 23. A film titled "Realms of Light: The Baroque" will be shown at 1 p.m. Saturday, April 15.

Lobby and films are shown in the Palmer Lipoon Auditorium. The museum is open from 10 a.m. to 4:30 p.m., Tuesday through Saturday and noon to 4 p.m. Sunday. For more information call the Palmer Museum at (814) 865-7672.

The exhibition is free to the public.

### Odyssey on WPSU

On the next episode of *Odyssey Through Literature*, Arthur Goldschmidt of the Penn State History Department introduces host Leonard Rubinstein to Muhammad Farid and his political endeavors as leader of the Egyptian nationalists at the turn of the century.

Discussing his edition and translation of Farid's memoirs, Dr. Goldschmidt exposes the struggles that lay within the hearts of the nationalist leaders, their allies, and their oppressors.

*Odyssey Through Literature* is produced at WPSU-TV as a continuing education service of the Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

### Works of Bill Stamos

The HUB Browning Gallery on the University Park Campus will feature the works of artist Bill Stamos through May 14.

Mr. Stamos, a University graduate with a bachelor of fine arts degree in painting and drawing, was recently selected from a pool of artists throughout the world, including the United States, the United Kingdom, Canada, Mexico, South America and the Far East as a Lixiquest Emerging Artist of the Year. His work can be seen in an upcoming issue of *Art in America*, and his painting titled "Yes" will be included in a 1996 exhibition of Lixiquest Emerging Artists of the Year at the American Council for the Arts exhibition space in New York.

Mr. Stamos' HUB exhibit, titled "Chromozones," is a display of his recent experimental works in which color and light become the subject of the paintings. His work has been exhibited in the Doshi Center for Contemporary Art in Harrisburg, and New Frame of Mine in State College.

## Calendar

continued from page 11

### CONFERENCES

**Friday, April 7**  
The Cathedral, the Mill, and the Mine: Technology in the Middle Ages, Nittany Lion Inn. Through April 8.

**Saturday, April 8**  
The Growth of Mathematical Knowledge, Nittany Lion Inn. Through April 10. Free to the public.

Penn State Green Design Conference, Nittany Lion Inn. Call 863-7688.

**Monday, April 10**  
Pennsylvania Association of Realtors Conference, Nittany Lion Inn. Through April 14.

**Wednesday, April 12**  
Pennsylvania State Athletics Conference, Nittany Lion Inn.

### EXHIBITS

**Palmer Museum:**  
"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 30.

"Gift to Celebrate the New Museum," through July 16.

■ "Dreamtime: Aboriginal Art from the Collection of John W. Kluge," through July 16.

**Zoller Gallery:**  
MFA Thesis Exhibition. Through April 23.

■ Reflects an international perspective

## April seminars sponsored by Libraries

The University Libraries is offering the following series of seminars in April to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power also will be presented.

To register or learn more about the seminars, contact Joyce Combs at (814) 863-0325 or by electronic mail at jcc@psu.edu. Seating is limited so register early!

■ **Penn State Libraries Catalog in LIAS** Offers an overview of the Penn State Libraries Catalog in LIAS and hands-on practice in applying LIAS searching techniques. A quick overview of LIAS as a gateway to other information resources is presented. April 12, 9-11 a.m., Tower Room 402, Central Pattee Library.

■ **Geographic Information Systems** Offers a general introduction to the concepts of geographic information systems and their use. April 5, 9 a.m., Tower Room 402, Central Pattee Library.



#### "Survive or Prevail"

G. Gordon Liddy, a controversial figure from the Watergate scandal turned talk show host, spoke on the University Park Campus recently about succeeding in life rather than merely surviving. His visit was sponsored by Penn State Young Americans for Freedom, WMAJ Radio and Young America's Foundation.

Photo: Greg Grieco

## Appointment

Shirley Smith Hendrick has been named associate dean for continuing and distance education in The Smear College of Business Administration.

In that role, she is responsible for 2,000 business program offerings with an annual enrollment of 27,000. Associated with the college's continuing education programs since 1979, she previously served the college as assistant dean for continuing education.

Dr. Hendrick, who is assistant professor of business administration, recently was honored with Penn State's Continuing and Distance Education Program Award and, two years ago, the Continuing Education Award

for Administrative Excellence. She is highly active with the Association for Continuing Higher Education (ACHE), and currently serves as chair of the ACHE International Continuing Education Committee.

Dr. Hendrick also has served in numerous capacities with the President's Commission for Women at Penn State over the past six years and was on the executive committee from 1989 to 1994. She currently is on the committee's athletic committee.

She holds B.S., M.B.A., and D.Ed. degrees from Penn State and has done post-doctoral work in Harvard University's Management Lifelong Education Program.

## News in Brief

### Vaccine licensed

The poultry industry incurs multimillion dollar losses each year to the ravages of Escherichia coli infections. This deadly bacterial infection kills or debilitates millions of young chickens and accounts for a large percentage of all poultry condemned at processing plants.

Richard A. Wilson in the Department of Veterinary Science, and his colleagues, Thomas Whittan and Vivek Kapur, may have found a cure for this poultry disease. A U. S. patent is pending on this invention, which was recently licensed by Penn State's Intellectual Property Office to a major animal health company.

The discovery, which involves vaccination using a non-virulent strain of E. coli, has been shown to make chickens immune to these pathogenic bacterial infections. If ongoing field trials prove successful, a major public benefit to the poultry industry will have resulted from the veterinary research program.

### Point-of-Purchase Study

A study in the College of Health and Human Development to determine how women make decisions for food purchases in the supermarket will begin this month. The Point-of-Purchase or POP Study is looking for women from 40-60 years of age with adult-onset diabetes. Eligible participants will complete a brief written questionnaire on their shopping habits and usual food intake. They also will answer some questions while grocery shopping at a time that is convenient for them. Participants will receive \$10 for completing the study. Results of the study will be used to develop programs for families affected by diabetes. If you are interested, please call 863-2916 after 5 p.m. The study is under the direction of Cheryl Achterberg, associate professor of nutrition.

### University Women's Club

The University Women's Club will meet at 11:30 a.m. Wednesday, April 12, at the Elks Country Club for a reception, lunch and style show. For more information, contact 238-2582.

## Awards

# Coordinator earns 1995 Staff Excellence Award

Ann McLaren, coordinator of the Tutoring Center and Supplemental Programs Instruction for the University Learning Resource Center in Academic Assistance Programs, has received the 1995 Staff Excellence Award.

The award acknowledges the exceptional performance of staff members who have practiced the philosophy of Continuous Quality Improvement (CQI), team spirit and managerial excellence for the benefit of their units and the University. The award also recognizes leadership demonstrated in the establishment of a quality service orientation.

A colleague wrote, "Ann's leadership is felt in many ways—in our CQI process reporting, in her work as our CQI leader, in her chairing of Academic Assistance Program conferences, and in her committee work that resulted in a training program for academic consultants in fraternities and other student organizations."

For more than 10 years, Ms. McLaren has organized tutoring for Penn State students, creating a Supplemental Instruction program and developing a support network for learning center staff at the Commonwealth Campuses. She has been with the

University for 18 years, serving in the Office of Veterans Programs for six years before joining the Learning Resource Center.

Her nominator states that "Ann has shown outstanding leadership in promoting teamwork and efficiency of operation, ability to skillfully manage her unit, and dedication to improving the quality of services for Penn State customers, who are students and learning center staff."

She oversees tutoring programs in more than 60 introductory-level courses, including a new center she developed with no new funds in foreign languages. Located in Sparks Building, the drop-in language service allows students to get immediate help in Spanish,



Ann McLaren

French, Italian, German and Russian.

In 1985, Ms. McLaren, in cooperation with the University of Missouri, Kansas City, successfully initiated a Supplemental Instruction Program at Penn State. SI is a group-learning program led by trained peers for students known to be in very difficult courses, and now serves more than 700 students each semester.

The success of this program is due entirely to the exceptional efforts of the organizational and administrative skills that Ms. McLaren brings to it. Unlike many other tutorial agencies, she meets with and remains in contact with the instructors and department heads that she serves so that she remains constantly aware of problems, changes, and course and student needs and maintains a service that complements rather than duplicates the regular course activities. She wrote a faculty member whose students take advantage of SI.

Ms. McLaren also saw a need to support tutors at the Commonwealth Campuses. She has created a communications network for staff to standardize goals, improve administrative practices, share information on funding for learning centers and conduct systemwide assessment.





## Quality Expo '95 to Feature Student Improvement Activities

At the Quality Expo '95 on April 6, from 11:30 am - 3:30 pm at the Nittany Lion Inn, the University community will be given the opportunity to view Quality Improvement exhibits from more than 30 teams from across the University, including several that are being initiated by students at Penn State.

One set of improvements will focus on the classroom. Student CQI teams from Professor Robert Novack's Business Logistics 405 class and Professor Larry Spence's Political Science 300H class will be present at the Expo to discuss the steps they've taken to improve the teaching and learning environment in their classrooms.

Specifically, the business logistics team will display surveys, pareto charts, fishbone diagrams and other quality tools they have used to assess and improve performance. The political science team will display surveys and control charts and discuss how they have used quality improvement to increase student interest and learning.

Several members of these student teams will also be on hand throughout the day to discuss how their experience with quality in the classroom is aiding them in acquiring practical experience before they leave Penn State.

In addition, the Student Advisory Board on CQI will display materials and discuss their mission of educating students to be better consumers. This display will include information on student organization focus groups that are being used by the Advisory board to provide student leaders with information on CQI and ways they can increase organizational effectiveness.

The Student Advisory Board exhibit will also highlight the role professors play in implementing the theory and tools of quality improvement in the classroom. Expo visitors will also be able to make suggestions for improving processes that affect students at the University.

—Jill Harris

CQI Center Graduate Student Intern

For more information, please contact Louise Sandmeyer, executive director, or Carol Everett, assistant director, of the CQI Center, 814-863-8721.

## Quality Expo going on today at Nittany Lion Inn

Team members, leaders, and sponsors from 30 Quality Improvement teams will discuss their processes, statistical tools, and improvements at the Penn State Quality Expo '95 today in the Nittany Lion Inn. One of the teams that will be featured is the Interlibrary Loan CQI team, which is examining the process of obtaining requested materials (photocopies, journals, books) for Penn State patrons. The team is working to reduce the time it takes to receive a requested item. Their goal is to achieve a 10 working day average for processing a request; previously, requests for library materials often took 21 or more working days to complete.

- Key solutions include:
- redesigning the work flow
  - improving equipment
  - using commercial suppliers
  - redefining roles within the Libraries
  - initiating more active communication with requestors.

Other units that are sending Quality Improvement teams to the Expo include College of Agricultural Sciences, Eberly College of Science, Hershey Medical Center, Berks Campus, Center for Counseling and Psychological Services, Corporate Controller's



Interlibrary Loan Team members, from left to right, Jan Markie, Jan Grasser, Ruth Senior, Sharon Smith, Barbara Cosplay, Mark Lasovnikov, Noeline Martin, Elise Clement, Gloria St. Clair, and two new members not pictured: Joyce Herwell and Bobbie DeVore.

Photo: Scott Johnson

Office, University Health Services, Division of Undergraduate Studies, Office of Human Resources, Continuing and Distance Education, Undergraduate Admissions, Naval ROTC, and Penn State Harrisburg.

In addition to team exhibits, there will be a media room where Quality related software will be demonstrated,

a book display in the Nittany Lion Inn Gift Shop, and short presentations on Quality topics such as benchmarking, team building, and university-corporate partnerships. For more information about the Quality Expo, call the CQI Center, 814-863-8721.

## Penn Staters

Abhay Ashtekar, holder of the Eberly Family Chair in physics and director of the Center for Gravitation, Physics and Geometry, has been appointed distinguished visiting professor at the Inter-University Center for Astronomy and Astrophysics in Pune, India.

Peter Cavanagh, director of the Center for Locomotion Studies, and William Evans, director of Noll Physiological Research Center, in the College of Health and Human Development, have been appointed to a NASA Science Working Group involved with the International Space Station Alpha. They are part of a group charged with designing the Human Research Facility that will be built on board the space station. The lab will make it possible to study human adaptation to long-term space flight and conduct basic life science research in microgravity.

At the invitation of the Institut Français des Relations Internationales, Parris H. Chang, professor of political science, presented a seminar on "Taiwan's Democratization and the Taiwan-China Relations," in Paris. He also gave an invited lecture to the China Discussion Group of the Royal Institute of International Relations in London on the same subject. In addition, he gave a seminar at the Royal United Service Institute for Defense Studies on the subject of "Post-Deng China and Cross-Strait Relations."

Bruce A. McPherson, associate professor of entomology, presented an

address, "Role of Genetic Analysis in Management of Mediterranean Fruit Fly Infestations," in the opening session of the Second Crop Science Conference for Eastern and Southern Africa in Blantyre, Malawi.

Chris Mullin, associate professor of entomology, gave an invited presentation at the University of Concepción, Concepción, Chile, on "Insect Taste Perception Mechanisms" for the Second International Symposium on Chemistry of Natural Products and their Applications. Subsequent lectures on metabolic detoxification and insect nutrition/toxicant interactions were given in Santiago at the University of Chile and University of Santiago.

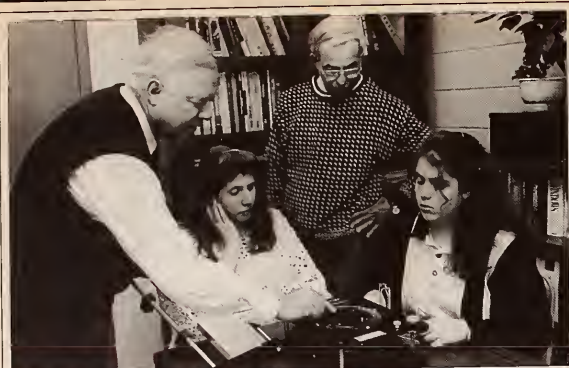
Gary L. Mullen, professor of mathematics, presented the keynote address at the Applications of Finite Fields Conference held at the Royal Holloway College of the University of London. His lecture, "Bases and the Distribution of Irreducible and Primitive Polynomials Over Finite Fields," dealt with equations that are useful in cryptology and algebraic coding theory for secure and error-free transmission of information. He also was an invited speaker at the International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing held at the University of Nevada, Las Vegas.

Robert E. Newnham, Alcoa Professor of solid state science at the Intercollege Materials Research Laboratory, delivered the inaugural lecture on

"Ceramic Engineering in the Twenty-First Century" to the newly-formed Danish Ceramic Society at the Danish Technical University in Copenhagen.

C. R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, has been awarded an honorary doctorate by the University of Barcelona, Spain. According to C. M. Cuadras, professor of statistics at the University of Barcelona, Dr. Rao's pioneering ideas in statistics have influenced the work of a group of faculty at the university who are working in such fields as differential geometry in statistics and divergence measures. Dr. Rao's association with the university began in 1983.

Lee Smolin, professor of physics, presented invited lectures in England, Italy and Mexico. In Cambridge, England, at the Isaac Newton Mathematical Institute, he presented the talk "The Chern-Simons Invariant as a Member of Time in Quantum Cosmology," and also participated in a workshop on "Geometry and Gravity" at the London Mathematical Symposium on Quantum Gravity, he spoke on "The Physics of the Planck Scale According to the Loop Representation" at Scuola Internazionale Superiore Studi Avanzati, the Italian Research Institute in Trieste, he presented a series of eight lectures on "Recent Development in Quantum Gravity," and in Mexico gave a four-lecture series on "Self-Organization, Evolution, and Complexity in Cosmology."



#### Stressed out

Bernhard R. Tittmann, Shell Professor of engineering, (left) and Joseph C. Conway, professor of engineering mechanics, (rear), help engineering students Heather Williams and Kelly Champviver determine stress distributions in a plastic molded cathedral that will be part of the Technology in the Middle Ages conference going on through April 9 on the University Park Campus. This student project, which will test the structural supports of the cathedral, should help students understand how structural support systems work and react in buildings, and will provide a visual approach to learning about stress distributions.

Photo: Greg Grieco

## Philosophy conference links countries

The first of two linked conferences designed to bring together philosophers and historians from the U.S., Canada, France, Germany, Israel, Italy, The Netherlands, Russia, and Switzerland to deal with a crisis emerging in the philosophy of mathematics will be held at University Park April 8 through 10.

The conference, titled *The Growth of Mathematical Knowledge*, is funded by a Transatlantic Cooperation Grant from the Alexander von Humboldt Foundation and the Department of Philosophy, Institute for Arts and Humanistic Studies, and College of the Liberal Arts, Science, Engineering, and Earth and Mineral Sciences. It is free to the public.

Emily Grosholz, professor of philosophy, planned the conferences along with Herbert Breger, director, Leibniz-Archiv, Hannover, Germany. She says the emerging crisis from philosophers being too slow to adopt new approaches which include historical as well as philosophical methods.

"For years, philosophers have been examining

mathematical rationality, methods of discovery, methods of proof and the nature of mathematical objects by means of formal logic," she says.

"The philosophy of mathematics, tied to logic so closely in this way, has exhausted many of its original possibilities and failed to attract the interest and support of working mathematicians."

During the first of the two linked conferences, 17 philosophers from a diverse set of philosophical commitments and traditions will gather to present papers. Immediately afterward, the papers will be distributed to 17 historians of mathematics. Each historian will take one paper and put forward a case study that supports, complicates or discredits the account of the philosopher.

In 1996 the philosophers and historians will meet at what Dr. Grosholz predicts will be a "highly charged" second conference in which the original papers and the responses will be presented in public lectures.

## INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

### Football broadcasts

Fran Fisher, who returned to the Penn State football broadcast booth last fall after an absence of 12 years, will again be the play-by-play voice of the Nittany Lions in 1995. Mr. Fisher returned on an interim basis after Bill Zimpfer left just prior to the season to do play-by-play for the Miami Dolphins.

### Television game

Penn State's first conference football game with the University of Wisconsin has been selected by ESPN to be televised nationally. Kickoff will be 5:45 p.m. (EDT) for the Sept. 30 game between the Nittany Lions and Badgers. The two schools have met twice previously, but not since 1970. Wisconsin won both of the earlier games. The Nittany Lions were a perfect 9-0 on national TV last fall.

### NCAA staff

Two members of the athletic department staff—sports information director Jeff Nelson and associate SID Mary Jo Haverbeck—were selected to serve on the media coordination staff at the NCAA basketball championships. Mr. Nelson, in his second season at Penn State after serving as SID at Holy Cross, worked the men's Final Four at the Kingdom in Seattle. Ms. Haverbeck joined the NCAA media team for the women's NCAA championships at Minneapolis.

### Coaches clinic

Penn State's spring football coaches clinic will be held April 7-8 on the University Park Campus. More than 500 high school coaches in Pennsylvania and the surrounding area will attend.

### Big Ten academic team

Thirty-two Penn State student-athletes, representing winter sports, have been named to the Big Ten Academic All-Conference team. The contingent was led by the women's swimming and diving team, which had ten honorees. Penn State had four all-Big Ten academic selections in men's basketball, the most of any hoops team in the conference.

## Intercom info

Because of budget considerations, the *Intercom* will not be published April 20 as scheduled. The remaining schedule for *Intercom* publications follows:

Issue	Copy deadline
April 13	April 5 (past)
April 27	April 19
May 11	May 3
May 25	May 17
June 8	May 31
June 22	June 14
July 6	June 28
July 20	July 12
Aug. 3	July 26

Deadline for copy is Wednesday, noon, one week and a day prior to the publication date.

## PENN STATE INTERCOM

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Lisa M. Rosellini, editor  
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## University Scholars Program deemed one of nation's best

Once again, Penn State's University Scholars Program has been recognized as one of the strongest honors programs among public universities in the country.

*Joy League Programs at State School Prizes: The 55 Best Honors Programs at State Universities Nationwide*, a recent book by CUNY political scientist Robert R. Sullivan, recognizes the University Scholars Program as one of the nine top "three-star" programs in the United States. Among the Big Ten universities, only the University of Michigan was so named, although all nine of the public institutions in the Big Ten were included in the Sullivan survey.

"We are of course delighted with the Sullivan survey, but we are not surprised," James M. Rambeau, associate dean for undergraduate education and director of the program, said. "We've known for some time that we have one of the strongest programs in the country. We also have the only four-year, thesis-requiring, comprehensive honors program with a residential component among our peers. But it's nice to have further ratification of what we're doing."

In 1993, the University Scholars Program was listed as one of the eight strongest among public institutions in a survey conducted by *Money* Magazine and published in *Money Guide*. It is one of only two honors programs to be so highly ranked in both surveys.

The book, written for academically talented high school juniors and seniors, evaluates programs in four categories: town and campus, intellectual setting, entrance requirements, and program quality from fair to excellent (or very competitive to easy in the case of entrance requirements), and gives an overall evaluation of one to three stars.

Penn State's rankings in the four categories are: town & campus: fair; intellectual setting: good; entrance requirements: very competitive; program quality: excellent; overall evaluation: three stars. Mr. Sullivan selected programs from flagship state universities to evaluate, and based his assessment on interviews and written materials, including entrance requirements; statistics on such factors as class size, gender, rank of participating professors and balance of student majors; housing and program facilities; reputation; and cost.

"On balance," according to the book, "the Penn State honors program is excellent for a very scholarly high school senior who wants to be challenged, exposed to high-quality professors, and oriented toward a research/creative experience embodied in a thesis. For this kind of person, Penn State's is one of the best honors programs at a state university in the United States."

Since the Faculty Senate established

See "Scholars" on page 3



Modern art?

No, it's not a new sculpture on campus, but Water Storage Tank No. 3 at University Park being prepared for its first exterior painting since 1978. The maintenance job requires lines to be dropped from the top of the 178-foot high tank, which weighs 4,686 tons when full. The lines will allow a giant drop cloth to be lowered over the structure to prevent debris and paint from escaping the work site. Work on the 1-million-gallon capacity tank should be complete by mid-June.

Photo: Greg Grieco

## University recycling program making marked increases

The past year marks the best year yet for Penn State's recycling program since it began in 1989. Faculty, staff and students recycled more than 5,000 tons of municipal solid waste in 1994, which is a 2,867-ton increase over 1993 totals and represents 45 percent of the total collected last year. Overall, the campus community generated 11,743 tons of

municipal solid waste in 1994, including recycled and non-recycled items.

"The goal of the program was to recycle 25 percent of our waste before the 1997 deadline set by the state," Phillip Melnick, of the Office of Physical Plant, said. "With a 16 percent increase in our recovery rate in 1994, we are well on the way to recycling more

than 50 percent of our waste."

Most categories of recyclables showed increases over 1993 rates. The biggest difference can be attributed to a change in calculating the amount of leaves collected. This year a more widely accepted conversion factor was used for vacuumed leaf waste than was used in 1993. That increased the quantity of

leaves recycled from 510 tons in 1993, to 3,509 tons in 1994. Mixed paper recycling increased by 40 tons, metal cans were up 12 tons, glass increased by 16 tons and tires and used oil were up by 13 tons.

"These increases were offset by a 50

See "Recycle" on page 8

# Inside



### The Masters

Forty Renaissance and Baroque works from across the state are on display at the Palmer Museum of Art. See page 6



### Multi-national firms

A Behrend researcher looks at how firms with foreign subsidiaries operate. For the full story, see page 11

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## DIVERSITY

### TransAfrica director to speak at 12th annual Pan-African conference today through April 15

Randall Robinson, director of the international lobbying organization, TransAfrica, will be the keynote speaker at the 12th annual Pan-African studies conference.

"Pan-Africanism and Global Studies: Education and Strategies for Local and International Development," will be held today through April 15 at the Days Inn Penn State, State College and is sponsored by the Department of African and African-American Studies.

Mr. Robinson is best known for his activism on behalf of South Africa and Haiti, including his 27-day fast which was influential in changing U.S. foreign policy toward Haiti.

In that same spirit, this interdisciplinary conference focuses on rethinking issues facing Africa and the African diaspora. The plenary sessions and panels will address past and present social and political conditions, and mobilization efforts among African populations.

Sterling Stuckey, University of California-

Riverside, will give the Cyril E. Griffith Lecture today.

Conference subjects include:

- "Law and Order in Africa and the Diaspora."
- "Health and African Culture."
- "Race, Power and Literature."

For more information on the conference, contact Francois Muyumba, conference director, Department of African/African American Studies, (814) 863-4243 (telephone), (814) 863-4837 (fax).



Randall Robinson

### April 27 slated as day to take daughters to work

On Thursday, April 27, potentially millions of girls ages 9 to 15 across America will participate in the third annual "Take Our Daughters to Work<sup>SM</sup> Day." The national event, sponsored by the Ms. Foundation for Women, is designed to focus on girls' ideas, problems, spirit, and dreams. It is a day dedicated to teaching girls about the world of work and enhancing their self-worth.

In Centre County, the event is being co-sponsored by a variety of organizations, including: American Association of University Women (AAUW) State College Branch; Altrusa Club of Centre County; B'nai B'rith Women; Business and Professional Women (BWP); Centre County Women's Resource Center; Hemlock Girl Scout Council; League of Women Voters; New Options Program in CIU-10; Ni-Tanee National Organization of Women (NOW); Penn State's Center for Women Students; Penn State's Commission for Women; Penn State's Women in the Sciences and Engineering (WISE) Institute; Professional Women at Penn State; and Soroptimist International of Centre County.

To mark this event, a luncheon will be held at noon on April 27 at the Holiday Inn, South Atherton Street, State College. The cost for the luncheon is \$6.35, and the registration deadline is Wednesday, April 19. For more information and/or a registration form, contact Sharon Luck at 865-3342 (w) or 867-0554 (h).

## STS director finds cultural differences to approaching technology

As the United States moves toward becoming a bicultural, bilingual country, there is a need for increased interest in the Spanish-speaking philosophical and technological world, according to the director of the University's Science, Technology, and Society (STS) Program.

"Spanish speaking countries really have an unappreciated cultural and philosophical tradition which is studies of literature and philosophy in this country unfortunately have neglected," Carl Mitcham said.

"I've become increasingly interested in the Spanish-speaking philosophical and technological world since I firmly believe we are becoming a more bi-cultural and bi-lingual country. At age 45, I decided to learn Spanish and I've been working on it ever since."

Dr. Mitcham, who holds the academic rank of associate professor of philosophy, is the author of *Philosophy of Technology in Spanish Speaking Countries*, published by Kluwer Academic Publishers for the Society for Philosophy and Technology as Volume 10 in its *Philosophy and Technology* series.

Prior to joining the University faculty in 1989, he served for a year as a visiting professor at the University of Puerto Rico in Mayaguez.

"The book came out of that experience and my involvement in helping organize the first Inter-American Conference on Philosophy of Technology," he said.

"After serving as an editor of the Spanish language conference proceedings, I began work on the translation for an English version."

"I discovered a whole new world in thinking about technology and culture that I didn't know existed."

**"We've experienced technology as that which we created; as progress, and as a manifestation of our freedom. These countries experience it as something imposed from without and disruptive of their cultures."**

Despite the fact that there is an increasing intensity of discussion about philosophy and technology in English-speaking, as well as in French- and German-speaking countries, there is in the Spanish-speaking world a just as vigorous discussion. Unfortunately, we know almost nothing about it.

Dr. Mitcham's book focuses on the philosophical reflection on technology in five countries: Chile, Costa Rica, Mexico, Spain and Venezuela.

The unique aspect of the study, he noted, is that, since modern technology did not originate in the coun-

tries, but was imported or imposed upon them, they've experienced it in a different way.

"We've experienced technology as that which we created; as progress, and as a manifestation of our freedom. These countries experience it as something imposed from without and disruptive of their cultures."

"At the same time, they don't express just a negative criticism of technology but are honestly trying to understand the nature and meaning of modern science, engineering and technology."

Dr. Mitcham, whose research focuses on the study of philosophy and technology, wrote an earlier book (1989), *Que es la filosofia de la tecnologia?*, which was published in Spain. He also has visited Chile, where he spent two weeks giving a series of lectures in 1991; Venezuela and Mexico. In 1993, he spent the spring semester teaching at the University of Oviedo in Spain.

"Through these efforts, I've been able to develop a collaboration with colleagues there which has enabled me to continue efforts to study other aspects of the philosophy of technology in those countries."

"At the same time, we've been able to attract a series of visiting scholars from the Spanish-speaking world to our STS Program in the last five years. And this has contributed, I think, to cultural diversity at Penn State."

## College of Health and Human Development honors Alumni Fellow

Jo Ann Krukar Webb, majority staff director for the Subcommittee on Hospitals and Health Care of the U.S. House Committee on Veterans' Affairs, will be honored April 20 as an Alumni Fellow of the College of Health and Human Development.

Ms. Webb received a B.S. degree in nursing from Penn State in 1970. In her work as majority staff director, she develops policy positions for the Republican majority on health care, budget, and construction legislation for the Veterans' Health Care System. She also develops legislative proposals to address the changing health care and benefits needs of veterans, and advises members of Congress and their staff.

In 1991, then-President George Bush appointed her to serve as assistant secretary for policy and plan-

ning for the Department of Veterans' Affairs. Earlier, she was the first presidential appointee and first woman to head the National Cemetery System; in that role, she was responsible for the operation of 113 national cemeteries and for managing the delivery of burial benefits to the nation's 27 million veterans.

She also has been chair of the advisory



Jo Ann Krukar Webb

panel for Strategy 2000, Phase II, and a senior health policy analyst and consultant to Paralyzed Veterans of America.

As an Army nurse, Ms. Webb served in Vietnam, in Germany, and at the Walter Reed Army Medical Center. She has held positions as a health care consultant, as the director of a health services corporation, and as a federal health care planner. She holds a master's degree in health care administration from George Washington University and is a doctoral student in health policy at George Mason University.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.



## News in Brief

### Science Writers

The Penn State Chapter of the National Association of Science Writers will hold a field trip on Wednesday, April 26, to Penn State's P/M Laboratory, a leading academic teaching and research facility focused on particulate materials processing.

The tour will be guided by Randall German, Brush Chair Professor in materials. He will demonstrate processes and equipment he has developed to apply injection molding techniques to powdered metals, as well as experiments he has flown in space aboard the U.S. Space Shuttle Columbia.

After the tour, the chapter will hold its regular monthly business meeting and brown bag lunch. Dr. German also will be available for questions and discussion.

The brown bag lunchtime roundtable series is open to anyone interested in science communication. For more information, contact Barbara Hale, 865-9481.

### Advising assessment to be discussed

"Assessing Advising: Can We Get Feedback?" is the topic of the brown bag advising lunch, from noon-1 p.m. Tuesday, April 18, in 305 HUB at University Park. James Levin, Division of Undergraduate Studies programs coordinator for the Eberly College of Science and member of the graduate faculty in Curriculum and Instruction in the College of Education, will lead the discussion. All faculty and staff interested in academic advising issues are welcome to attend.

This is the fourth and final session in the series of advising lunches initiated this semester. Sponsored by the Division of Undergraduate Studies (DUS), the series provides advisers with an opportunity for professional development and networking. DUS expects to continue this series during fall semester. For more information,

contact Laura Brown, 205 Grange Building, (814) 865-7576, LBSB1@OAS.PSU.EDU.

### Credit union conference

The Penn State Federal Credit Union will host a conference for the credit unions serving Big Ten universities on May 5 and 6.

The third annual gathering of CEOs, staff, and directors from these eleven credit unions will be held at the Atherton Hotel in State College. Women's Basketball Coach Rene Portland will deliver the welcoming address to the visitors from Michigan, Indiana, Ohio State, Minnesota, Northwestern, Iowa, Wisconsin, Illinois, Wisconsin, and Purdue. Credit unions representatives then will have the opportunity to share their experiences as well as learn techniques for dealing with the special challenges faced by University Credit Unions.

Penn State Federal Credit Union currently serves the employees of the University, employees' immediate family members, University annuitants, and other adjunct personnel. For more information about the credit union, call (814) 863-6180.

### Multimedia for Teaching and Learning

Education Technology Services, Center for Academic Computing, is presenting a hands-on workshop, "Getting Started: Using Multimedia for Teaching and Learning," at 9 a.m. Saturday, April 22, in Room 117 Wagner Building at University Park.

The workshop is an introduction to using and creating multimedia for teaching and learning. It will explore new avenues for communication where text, audio, and video are combined to make powerful programs that actively engage learners.

Using a well-equipped multimedia lab, participants will: scan a photograph; use a digital camera; make digital video; create a multimedia presentation; get recommendations on setting up your own multimedia com-

puter system, and learn about resources available for future support.

Cost of the workshop is \$20. For more information or registration, contact Debbie Ingram at (814) 863-7491 or send e-mail to dhl@psu.edu.

### Mock trial team honored

Penn State's budding lawyers placed well in their first national competition, winning the "Outstanding New Team" award at the American Mock Trial Association tournament in Iowa. In addition, freshman Karen Mergenhalter received an outstanding witness award and was named to the All-American Mock Trial Team.

The AMTA brings together teams of college students who try and argue a fictional legal case before attorneys, judges and juries. Sixty-eight teams advanced to the national finals. More than 2,000 college students nationwide participate in Mock Trial competitions.

Team activities are supported by the Office of Student Affairs, the College of Health and Human Development and the College of the Liberal Arts. Team coaches are Stephen Foreman, an attorney and faculty member in the Department of Health Policy and Administration, and senior project associate Stephany Romano in University Health Services.

### Colloquium set

The University of Australia-New Zealand Studies Center is sponsoring a major colloquium on "New Directions in Australian Strategic and Defense Policy: Implications for the United States and the Asia-Pacific Region." The event will be held from 2:30-5 p.m. Monday, April 24, in the Eisenhower Chapel Lounge.

Participants will include Australian-based Department of Defense officials and Australian Embassy defense officials, as well as academic specialists. The colloquium will be moderated by Henry Albinski, professor of political science and Australian and New Zealand Studies and director of the center.

## Scholars

continued from page 1

the University Scholars Program in 1980, the number of academically talented students applying to Penn State has increased thirty-fold. As of March 1995, Penn State had received 2,325 applications from seniors with SAT scores at 1300 or above, a 30 percent increase over the year before.

The University Scholars Program has places for 220 freshmen, and bases admissions on a combination of SAT scores, high school and predicted grade-point averages and an application of essays to the top of the top. Additional Scholars are admitted to the program in their junior year through college and department nominations.

"The Senate wanted to create a program that would attract really strong students to Penn State, and it has succeeded, I suspect, beyond anyone's wildest dreams," Dr. Rameau said. "Now we must work to make the program even better, and find ways to accommodate even more of these really superior students."

## Nominations sought for department head

The College of Education invites nominations and applications for the position of head, Department of Education and School Psychology and Special Education.

The department head is expected to provide dynamic and creative leadership for the department and to exercise academic leadership, administrative authority, and budget management over all department programs in instruction, research, and service at the University Park Campus.

Required qualifications include: appointment as a tenured professor or associate professor in one of the programs within the department; appointment as a member of the graduate faculty; ability to work effectively with students, faculty, and administrative personnel in the college and University, as well as with state and national agencies; knowledge and experience in performing administrative responsibilities; experience in managing budgets; record of excellent teaching, scholarship and research, including experience with funded projects; experience with student advising and program development; excellent interpersonal skills, and a demonstrated commitment to faculty, staff and student diversity.

Appointment will be effective July 1, or soon as possible thereafter. Applicants should submit a letter of interest, a current curriculum vitae, the names, addresses, and telephone numbers of three professional references to Bonnie Meyer, Search Chair, 204 CEDAR Building, University Park, PA 16802.

Applications received by May 12 will be assured of full consideration. However, applications will continue to be reviewed until the search is completed. Nominations should be addressed to the Search Chair. Inquiries may be made at (814) 863-7501.



### Renewed

The dining room of the Nittany Lion Inn on the University Park Campus has a new look. As part of the renovation of the Inn's 1931 wing, the dining room was remodeled and reopened for business in early March. The renovation to the dining area, which has a seating capacity of 175, began in early March. The best rooms in that section are undergoing renovation that should be completed by mid-July.

Photo: Greg Grieco

## Second Learning Colloquy scheduled for May 17

For the second year in a row, University faculty and students will explore the benefits of collaboration and share information on ways to enhance undergraduate education. In addition, secondary-level teachers are being invited to join in this intellectual dialogue.

"Learning Colloquy II: Collaboration, Feedback and Student Involvement" is set for Wednesday, May 17, from 8:30 a.m. to 6:30 p.m., at the Penn State Scenicton. The one-day conference, co-sponsored by the Office of the Executive Vice President and Vice Provost and the Commission for Undergraduate Education, will feature small-group discussion sessions that look at topics ranging from assessing student readiness to feedback techniques in large classrooms.

The sessions, which run concurrently throughout the day, will allow

participants to contribute information on learning processes and discuss how to improve teaching and learning at Penn State. Other sessions scheduled include: assessment through examination, integrating lecture and lab, creating out-of-class learning experiences, and building collaborations between secondary schools and higher education. The outcomes of these conversations will be shared with the full group at the end of the day.

Richard J. Light, professor of education and public policy at Harvard University, will give the keynote address "Improving Teaching and Student Learning at a Major University: Findings from the Harvard Assessment Seminars."

Dr. Light teaches statistics and program evaluation, with special focus on programs in education. As

the author/co-author of six books, he has written about modern methods for assessing the effectiveness of edu-

### The colloquy allows participants to look at the learning process and discuss how to improve teaching and learning.

cational initiatives.

Currently the director of Harvard's Seminar on Assessment, Dr. Light brings together faculty and senior administrators from 24 colleges and universities to research college effectiveness. The seminar, now in its

eighteenth year, encourages innovations to strengthen teaching, learning and the overall college experience for students.

Dr. Light has been president of the American Evaluation Association, and has served on the National Board of the American Association for Higher Education. He also has served as chair of the Panel on Programs for Youth for the National Academy of Sciences, and was appointed to the National Board of the Fund for Improvement of Postsecondary Education.

Members of the University community are invited to attend Learning Colloquy II. Registrations are being accepted on a first-come first-served basis, with April 24 as the last day to register. For more information about the event, contact Ginny Newman at (814)865-2505.

## Faculty Senate News

The University Faculty Senate will meet at 1:30 p.m. April 25 in Room 112 Kern Graduate Building.

Items to be addressed:

- Changes in Constitution, article II, section 5, membership (legislative)
- Other means of credit acquisition (legislative)
- Special report from the Presidential Search and Screen Committee (informational)
- Special Committee to Review the University's Curricular Approval Procedures (informational)
- Technology, copyright, and the information industry: Opportunities and challenges for teaching and research (informational)
- Suggested items for discussion by the Faculty Affairs Committee (informational)
- Initial responses to the draft of "A Proposal to Establish a Division of Biological Sciences" (informational)
- The comprehensive transportation and parking initiatives for the University Park Campus (informational)
- President's Planning and Budget Advisory Committee—annual report (informational)
- Report of Senate elections

Members of the University community are invited to attend this meeting. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.



Speaking out

Anita Hill, best known for her accusations of sexual harassment, spoke on that issue and other subjects recently on the University Park Campus. Her visit was sponsored by the student group Colloquy.

Photo: Greg Grieco

## Obituaries

Elwood Mintz, assistant professor of agricultural extension, died Jan. 14. He was 75.

He attended Lewisburg (N.C.) College from 1938-40 and, in 1950, received a bachelor of science degree from the University of North Carolina at Chapel Hill.

Mr. Mintz served in Australia with the U.S. Army Corps of Engineers during World War II. He received the Purple Heart, having been wounded on Leyte Island in the South Pacific.

He worked for 19 years as a writer and editor in the College of Agricul-

tural Sciences. He retired in 1981.

A member of Epsilon Sigma Phi professional fraternity, he was a life member of the Agricultural College Editors.

Albert K. Henry, cheesemaker-processor, College of Agricultural Sciences, from June 1, 1947, until his retirement Jan. 1, 1985; died Feb. 23 at the age of 71.

Donald C. Jones, professor emeritus of mining engineering, died Feb. 27 at the age of 90.

He received a bachelor of science,

master of science and a professional degree, all in mining engineering, from Carnegie Institute of Technology, now Carnegie Mellon University.

He joined the University faculty in the College of Earth and Mineral Sciences in 1933 and retired April 1, 1964.

Mr. Jones was the author of more than 300 articles published from 1933 to 1963, and served as contributing editor for *Mechanization Magazine* from 1942 to 1963. From 1964 to 1972, he was editor of *McLean-Hunter Publishing's* trade magazine, *Coal Mining and Processing.*



# LECTURES

## Gene regulation authority to present Marker Lectures April 19-21

Robert Tjian, an investigator at Howard Hughes Medical Institute and professor of molecular and cell biology at the University of California-Berkeley will give the 1995 Marker Lectures in Genetic Engineering from April 19 to 21 at University Park.

The three-lecture series, titled "The Biochemistry of Transcription and Gene Regulation," is sponsored by the Eberly College of Science and is open to the public.

The lecture schedule is: "The Discovery of Molecular Machines that Control Genes," 8 p.m. Wednesday, April 19, in 101 Classroom Building; "Mechanisms of Transcriptional Activation: Interplay of Activators, TAFs, and the Basal Machinery," 4 p.m. Thursday, April 20, in 102 Classroom Building; and "The Universality of TBP/TAF Complexes," 4 p.m. Friday, April 21, in 102 Classroom Building.

Dr. Tjian, an authority on gene regulation in animal cells, has published over 100 articles in the journals *Nature*, *Science*, and *Cell*, many of which concern the role of gene expression in viral infections, cancer, and organism development. In the early '80s, his group discovered a class of regulatory proteins that have the ability to seek out and attach themselves to a specific gene and to activate transcription of the gene.

Named "Scientist of the Year" by the state of California in 1994, Dr. Tjian has received numerous awards, including the Pfizer Award for Enzymology in 1983, the Cancer Research Award from the Milken Family Medical Foundation in 1983, the National Academy of Sciences Monsanto Award for Molecular Biology in 1991, and both the Passano Award and the Rosenstiel Award for Distinguished Work in Basic Medical Sciences in 1995.



Robert Tjian

## Inaugural Entertainment-Cable Symposium to take place April 15 at University Park

Executives from the entertainment and cable industries will gather at University Park April 15 for the first Entertainment-Cable Symposium.

Cosponsored by The Smeal College of Business Administration and the School of Communications, the symposium is supported by the Marian B. Gardner Endowed Lectureship. It will be held in Ballroom C of the Nittany Lion Inn, from 9 a.m. to noon.

Panelists will be Keith Clinkscale, chief executive officer and president of VIBE magazine; Teresa Kay-Abba Kennedy, director of interactive programming for VH1; and executive producer for VH1 Online; Susan T. Moultrie, vice president of

finance and operations for Uplown Entertainment; MCA Records; Barry K. Robinson, deputy general counsel, Recording Industry Association of America (RIAA); Clemon Williams, vice president of administration and support services, BMG Music; and La'anya R. Butler, director of affiliate marketing for Black Entertainment Television (BET).

The symposium is being arranged by Melvin Young, MBA Class of '96, and Joseph Selden, multicultural affairs coordinator for the School of Communications. For reservations and further information, contact The Smeal College MBA Program at 863-0474.

## Nobel Laureate to give economics lecture on April 21

Douglas C. North, a 1993 Nobel Laureate in Economics and Henry Luce Professor of law and liberty, professor of economics, and professor of history at Washington University in St. Louis, will present "Modeling Economic Change" at 2:30 p.m. Friday, April 21, in 26 Hoker Building on the University Park Campus.

Dr. North received his Ph.D. from the University of California, Berkeley in 1952 and was a member of the economics department at the University of Washington, Seattle from 1950 to 1983. Since 1983, he has served on the faculty of the economics and history departments at Washington University in St. Louis. He is the author of eight books and over 75 articles that include his research on property rights, transaction costs, economic organization in history, a theory of the state, the free-rider problem, ideology and growth in government, economic and social change, and institutional change.

Dr. North is one of the developers of the field of quantitative economic history, for which he shared his Nobel prize with Robert Fogel. He is among the most eminent political economy scholars in the world.



Douglas C. North

He is the fourth speaker in the 1994-95 speaker series sponsored by The Institute for Policy Research and Evaluation and the Department of Economics. For additional information, please contact Thomas Gresik at 863-8007.

## Astronomy and Astrophysics

### Cambridge professor to give three-lecture series beginning April 17 at University Park



Sir Martin Rees

Sir Martin Rees, Royal Society Professor at Cambridge University, will present the 1995 Russell Marker Lectures in Astronomy and Astrophysics on April 17, 18, and 19, 1995, at the University Park Campus.

The three-lecture series, "Cosmology—Progress, Prospects, and Speculations," is sponsored by the Department of Astronomy and Astrophysics and the Eberly College of Science. The public is invited to attend at no charge.

The lectures are: "Our Universe and Others," 8 p.m. Monday, April 17, in 104 Classroom Building; "Galaxies, Dark Matter, and the Early Universe—Evidence and Speculations," 4 p.m. Tuesday, April 18, in 215 Classroom Building; and "Quasars as Probes of Galaxy Formation and Relativity," 4 p.m. Wednesday, April 19, in 215 Classroom Building.

Dr. Rees is a leading authority worldwide on cosmology, galaxy formation, active galactic nuclei, and high-energy astrophysics. He has a distinguished record of over 300 publications and has coauthored four books. He has served three five-year terms as director of Cambridge University's renowned Institute of Astronomy and was named Royal Society Professor there in 1992. In 1994 he was appointed the Astronomer Royal of Britain, an honorary position held by the country's most distinguished astronomer.

In recognition of his work, Dr. Rees has received numerous awards, including the Heinenman Prize for physics from the American Institute of Physics, the Gold Medal of the Royal Astronomical Society, the Balzan Prize of the Balzan Foundation, the Robinson Prize from Newcastle University, and the Bruce Medal of the Astronomical Society of the Pacific.

## Alabama coal company CEO to speak on labor and management on April 21

H. Douglas Dahl, president and chief operating officer of Drummond Company, Inc., a major Alabama coal company, will deliver the 4th annual lecture of the G. Albert Shoemaker Lecture Series in Mineral Engineering at University Park on Friday, April 21.

He will speak at 4 p.m. at "Labor,

Management, Productivity and Coal: A Cocktail for 2007?" in Room 22, Deike Building.

Dr. Dahl has been president of Drummond Company since 1990, following more than a decade as a leading executive with Consolidation Coal Company, Pittsburgh. He holds three

degrees in mining engineering from Penn State, and was honored as a Penn State Alumni Fellow in 1987.

The lecture series in mineral engineering was established in 1992 by Mercedes G. Shoemaker to honor the memory of her husband G. Albert Shoemaker, a Distinguished Alumn-

us of Penn State, former Penn State Trustee, and president of the Board of Trustees from 1970 to 1971. Mr. Shoemaker had strong interests in mineral engineering and served as president of Consolidation Coal Company in Pittsburgh from 1960 to 1966.

# The ARTS

AT PENN STATE

## Drawing exhibit

An exhibit featuring Penn State student drawings, "Sissacques aka Louis Comfort Tiffany," is on display in the window of Tower of Glass, 137 W. Beaver Ave., State College, through Thursday, April 14.

The exhibit features the work of students enrolled in the studio taught by Richard Alden, assistant professor in the College of Arts and Architecture.

## Museum lecture

Wendy Stedman Sheard, an independent scholar of art history, will present a lecture titled, "Verrocchio and Leonardo da Vinci: The Venetians Respond" at 8 p.m. Tuesday, April 18, in the Palmer Lipson Auditorium of The Palmer Museum of Art on the University Park Campus.

The lecture is part of the series "The Renaissance from Milan to Venice: Discoveries in the 15th and 16th-Century Art of Northern Italy" sponsored by the College of Arts and Architecture Department of Art History and the Institute for the Arts and Humanistic Studies.

It is free to the public.

## Philharmonic Orchestra

The Penn State Philharmonic Orchestra will present its final concert of the spring semester at 8 p.m. Tuesday, April 18, in Eisenhower Auditorium on the University Park Campus.

The concert will feature the performance of "Scherzade" by Nicolai Rimsky-Korsakov, as well as selections from the opera "Der Freischütz" by Carl Maria von Weber.

For ticket information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

## Baltimore Symphony

The Baltimore Symphony Orchestra, featuring Pinchas Zukerman as conductor and soloist, will perform at 8 p.m. Wednesday, April 19, in Eisenhower Auditorium on the University Park Campus.

The all-Mozart concert will include performances of Adagio in E. K. 261; Rondo in C. K. 373; Symphony No. 33 B Flat, K. 319; Rondo in B Flat, K. 269 and Serenade No. 7, "Haffner," K. 250.

Mr. Zukerman has earned a reputation as one of the greatest violinists and violists on the classical music scene. He has won two Grammy awards and has produced an extensive discography of more than 90 releases.

For ticket information, contact the Eisenhower Auditorium Ticket Center,

open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

## Centre Dimensions

Centre Dimensions, Penn State's jazz ensemble, will present its final concert of the season at 8 p.m. Wednesday, April 19, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus. The group is under the leadership of School of Music faculty member Dan Yoder.

The concert, which will feature a variety of big band music, is free to the public.

## Flute Ensemble

The Penn State Flute Ensemble, under the direction of Eileen Yarrison,

instructor in the School of Music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, April 20, in the Helen Eakin Eisenhower Chapel on the University Park Campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish. It is free to the public.

## University Choir

The University Choir will present its spring concert at 8 p.m. Friday, April 21, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus.

The choir, conducted by School of Music faculty member Anthony Leach and Lynn Draffall, will perform a variety of music including a set based on texts by Walt Whitman.

Admission is \$4 for adults; and \$2 for students; tickets will only be available at the door the night of the concert.

## Museum gala

The Friends of the Palmer Museum of Art will hold their annual black tie fund-raiser, a Safari Evening, at 6:30 p.m. Saturday, April 22, in the Penn State Scanlon.

The event includes dinner, a silent auction and dancing to music by the Richard Victor Quartet until midnight. Proceeds from the gala benefit the Palmer Museum, provide funds for new acquisitions and such special events as the recent exhibition of Rembrandt etchings.

For more information, contact the Palmer Museum of Art weekdays between 8 a.m. and 5 p.m. at (814) 865-7672. Reservations should be made no later than April 14.



"The Denial of St. Peter"

Master paintings, like this one, from collections throughout Pennsylvania are on exhibit at the Palmer Museum of Art on the University Park Campus through April 30.

## Novelist and poet read from their works

Susanna Kayen, author of the national bestseller *Girl, Interrupted*, and Pulitzer Prize-winning poet Maxine Kumin will read from their works at 7:30 p.m. April 22 in the HUB Assembly Hall at University Park. The public is invited.

*Girl, Interrupted* is a memoir of madness, a frank and unsparring account of a young woman's stay at McLean Hospital in the 1960's. Ms. Kayen also is the author of the novels *As I Knew Him* and *Far Afield*. She lives in Cambridge, Mass.

Ms. Kumin won the Pulitzer Prize for poetry in 1973 for her collection *Up-Country*. She is the author of 10 volumes of poetry as well as four novels, a collection of short stories, and two collections of essays on country living, most recently *Women, Animals, and Vegetables*. The former poetry consultant for the Library of Congress and Poet Laureate of New Hampshire, she lives on a farm in New Hampshire.

The reading is sponsored by the Institute for Arts and Humanistic Studies, the Research and Graduate Studies Office of the College of the Liberal Arts, and the Department of English.

## Beethoven's Ninth

When Eisenhower Auditorium first opened 21 years ago, its grand opening concert was Beethoven's Ninth Symphony.

On April 25, after more than two decades, the State College area will again be treated to a performance of Beethoven's Ninth. Performing it will be the Nittany Valley Symphony, led by Music Director Michael Jinbo. Joining NVS will be nearly 200 singers from the State College Choral Society and from Penn State's Concert Choir, both directed by Dr. Douglas Miller of the School of Music.

Singing the famous *Ode to Joy* in the last movement of the Ninth are soprano Susan Boardman, alto Jan Wilson, tenor Charles Kennedy and bass Milutin Lazich. Ms. Boardman and Mr. Kennedy are both School of Music faculty members.

Tickets for the 8 p.m. Tuesday, April 25, performance in Eisenhower Auditorium on the University Park Campus are available at the Eisenhower Ticket Center. For information, call 814-863-0255.

## Ritenour exhibit

The Ritenour Lobby on the University Park Campus is featuring the artwork of Emanuel Pangilinan until April 25. The exhibit includes colorful self-portraits and paintings of figures using expressionistic and realistic techniques.

Mr. Pangilinan is a senior at the University studying art and painting, and is originally from Rockland County in the suburbs of New York City. The artist is a winner of the 1994 Student Council Arts and Architecture Exhibit and currently has artwork in the 1995 Undergraduate Juried Exhibition.

The Ritenour Lobby is located on the first floor of the Ritenour Building. Exhibition hours are 8 a.m. to 5 p.m. Monday, Tuesday, Thursday, Friday and 9 a.m. to 5 p.m. on Wednesday.

## Odyssey on WPSU

Ben Hudson, professor of history at Penn State, discusses aspects of Celtic history and how it is revealed to us through centuries-old literary works, on the next episode of *Odyssey Through Literature*.

Using Shakespeare's *Macbeth*, Professor Hudson shows how often "legend transforms history" and, more surprisingly, "history transforms legend into something greater than the legend."

Chaucer's "Parlement of Fowles" is the topic of the April 26 episode, with guest Craig Bertolet, a graduate student in English and comparative literature at Penn State.

*Odyssey Through Literature* is produced as a continuing education service of the Department of Comparative Literature in the audio studios of WPSU-TV. It airs Wednesdays at 7 p.m. on WPSU, 91.5 FM.

## WPSX fund-raiser

Public television station WPSX, Channel 3, concluded its "Festival '95" fundraising campaign successfully with more than \$201,000 pledged from nearly 2,700 individuals, families and businesses. The funds raised during the campaign are used to purchase, produce and broadcast programming by the station.

Currently, 20 percent of the station's budget comes from community support. WPSX is celebrating 30 years of serving the public's vision.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, April 13**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice Students of Susan Boardman and Suzanne Roy.  
School of Music, 8 p.m., Recital Hall. Penn State Symphonic Wind Ensemble.

**Friday, April 14**  
Good Friday.  
Passover (begins at sunset) Through April 16.

■ Film, 1 p.m., Palmer Lipcon Auditorium. "Australia's Art of the Dreamtime: Quinkan Country."

Shaver's Creek, 6:30 p.m. Beaver Paddle. Call 863-2000.

**Saturday, April 15**  
Entertainment-Cable Symposium, 9 a.m.-noon, Ballroom C, Nittany Lion Inn. Call 863-0474.

Frontiers of Science, 11 a.m., 101 Osmond Lab. Robin Tulio on "How Far are We from Knowing the Fate of the Universe?"

Shaver's Creek, 1 p.m. "Whose Egg is It?" For preschool through elementary school children. Call 863-2000.

Film, 1 p.m., Palmer Lipcon Auditorium. "Realms of Light: The Baroque."

**Sunday, April 16**  
Easter.  
**Monday, April 17**  
Comparative Literature, 12:40 p.m., 101 Kern.

Anibal Gonzalez-Perez, speaker.  
Market Lecture in Astronomy and Astrophysics, 8 p.m., 104 Classroom Bldg. Martin Rees on "Our Universe and Others."

Lantern Tours, 8-9 p.m. Evening tour of campus telling of Penn State's rich history begin on the steps of Old Main.

**Tuesday, April 18**  
Undergraduate Studies, noon, 305 HUB. Brown bag lunch on advising.

Market Lecture in Astronomy and Astrophysics, 4 p.m., 215 Classroom Bldg. Martin Rees on "Galaxies, Dark Matter, and the Early Universe—Evidence and Speculations."

Art History, 8 p.m., Palmer Lipcon Aud. Wendy Sheard on "Verrocchio and Leonardo da Vinci: The Venetian Response."

School of Music, 8 p.m., Eisenhower Aud. Penn State Philharmonic Orchestra. Tickets required, call 863-0255.

**Wednesday, April 19**  
Center for Women Studies, noon, 120 Boucke. Patty Johnston on "The Impact of Rape on College Students."

Market Lecture in Astronomy and Astrophysics, 4 p.m., 215 Classroom Bldg. Martin Rees on "Quasars as Probes of Galaxy Formation and Relativity."

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Baltimore Symphony Orchestra. Prokofiev, violin. Tickets required, call 863-0255.

Market Lecture in Genetic Engineering, 8 p.m., 101 Classroom Bldg. Robert Tjian on "The Discovery of Molecular Machines that Control Genes."

School of Music, 8 p.m., Recital Hall. Centre Dimensions—University Jazz Ensemble.

**Thursday, April 20**  
Sigma Xi, 11:45 a.m., 108 Warkit Laboratory. Hector Flores on "Unearthing the Roots of Andean Agriculture."

Bach's Lunch, 12:10 p.m., Eisenhower Chapel. The Penn State Film Ensemble.



Aboriginal art

Australian Aboriginal art from the collection of John W. Kluge is on display at the Palmer Museum of Art on the University Park Campus through July 16. This piece by William Sandy, titled "Bush Bean Dreaming at Kanpi, was done in acrylics."

ple Structural-Economic Analysis of Bidding for Contracts."

Market Lecture in Genetic Engineering, 4 p.m., 102 Classroom Bldg. Robert Tjian on "Mechanisms of Transcriptional Activation: Interplay of Activators, TAFs, and the Basal Machinery."

School of Music, 6:30 p.m., Music Building Courtyard. Penn State Campus Band.

**Friday, April 21**  
History, 1:30 p.m., Palmer Lipcon Aud. Eugene N. Borza on "That Old Ruin, the Parthenon."

■ Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Diana Liverman on "Mazze, Micavos and Magallanes: Economic Change and Environmental Transformation in the Mexican Landscape."

Market Lecture in Genetic Engineering, 4 p.m., 102 Classroom Bldg. Robert Tjian on "The University of TBP/TAF Complexes."

G. Albert Shoenberger Lecture in Mineral Engineering, 4 p.m., 22 Deike Bldg. H. Douglas Dahl on "Labor, Management, Productivity and Coal: A Cocktail for 2007?"

Shaver's Creek, 7 p.m. Woodcock Walk. Call 863-2000.

"Ice Rhythms," 7:30 p.m., Ice Pavilion. Also April 22.

Center for the Performing Arts, 8 p.m., Eisenhower Aud. Ballet Concerto de Puerto Rico. Tickets required, call 863-0255.

School of Music, 8 p.m., Recital Hall. Penn State University Choir. Tickets required, call 863-0431.

**Saturday, April 22**  
Blue/White Game. Caribbean Student Assoc. Fair, HUB. Diary Expo, Ag Arena.

"Movin' On/Phi Sigma Kappa 'Superstars,' HUB Lawn.

Education Technology Services, 9 a.m.-noon, 117 Wagner Bldg. "Getting Started: Using Multimedia for Teaching and Learning," a hands-on workshop. Call 863-7491.

Shaver's Creek, 10 a.m. Nature and Wildlife Photography Workshop. Call 863-2000.

Palmer Museum. Efram Burk on "Early 20th-Century American Painting at the Palmer Museum."

School of Music, 8 p.m., 122 Music Bldg. II. Eileen Yarnison, flute.

Friends of the Palmer Museum of Art, 6:30 p.m., Penn State Scanlon. Annual black tie fund-raiser, A Safari Evening. Reservations by April 4. Call 865-7672.

Institute for Arts and Humanistic Studies, 7:30 p.m., HUB Assembly Hall. Susanna Kayen and Maxine Kumin will read from their works.

School of Music, 8 p.m., Schwab Aud. Penn State Glen Club Concert. Tickets required, call 863-0255.

School of Music, 8 p.m., Eisenhower Aud. Penn State Symphonic Band. Tickets required, call 863-0255.

**Saturday, April 23**  
Barash Regatta.

Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Jennifer Olson on "Old Masters at the Palmer."

Shaver's Creek, 2 p.m. Spring Wildflower Walk. Call 863-2000.

School of Music, 2 p.m., Recital Hall. Singing Lions. Tickets required, call 865-0431.

**Monday, April 24**  
Comparative Literature, 12:40 p.m., 101 Kern. Priscilla Melendez, speaker.

School of Music, 8 p.m., Recital Hall. Penn State Percussion Ensemble.

**Tuesday, April 25**  
Microcomputer Order Center Computer Fair, Nittany Lion Inn.

**Wednesday, April 26**  
School of Music, 8 p.m., Recital Hall. Student Composers' Concert.

**Thursday, April 27**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Voice students of Richard Kennedy and Norman Spivry.

■ School of Music, 8 p.m., Recital Hall. Mojo African Arts Ensemble.

**Friday, April 28**  
Classes End.

Film, 1 p.m., Palmer Lipcon Aud. "Narritjin Maymuru: Narritjin at Djarrakpi." Also at 2 p.m., "Images of Man."

Geography's Coffee Hour, 4 p.m., 319 Walker Bldg. Lawrence Brown on "How Migration Has Reshaped the Demographic Personality of the Ohio River Valley."

**Saturday, April 29**  
Central Pennsylvania Orchid Show, Ag Arena.

**Sunday, April 30**  
■ Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Australian Aboriginal Painting."

## SEMINARS

**Thursday, April 13**  
Center for Gravitational Physics and Geometry, 11:30 a.m., 339 Davey Lab. Alex Corichi, speaker.

Adult, Continuing, and Distance Education, noon, 201 Keller Bldg. Donna Ricketts on "Community Education: Thriving Not Just Surviving."

Economics, 2:30 p.m., 360 Willard Bldg. Nancy Sicokey on "Are There Limits to Growth?"

Physics, 3:30 p.m., 101 Osmond Lab. Leonard Mandel on "Quantum and Nonlocal Effects in Optical Processes."

Computer Science and Engineering, 4 p.m., 302 Penn Lab. Sushil Joshi, speaker.

Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Colin Dryu, speaker.

**Friday, April 14**  
Forest at Forest Resources, 1:25 p.m., 205 Ferguson Bldg. Jim Johnson on "Bringing Concepts of Ecosystem Management to Private Woodlands."

Condensed Matter, 1:30 p.m., 339 Davey Lab. Sheena Murphy on "Phase Transitions in Quantum Hall Systems."

Economics, 3:30 p.m., 413 Kern. James Riedel on "Explaining Economic Growth: Case Study of a Superstar."

Agromony, 3:35 p.m., 107 ASI. David Walton on "Using GIS to Develop a Groundwater Topography Data Layer for Water Supply Planning."

**Monday, April 17**  
Condensed Matter, 3:30 p.m., 339 Davey Lab. Piers Coleman on "Local Moments: The Mystery Players in Strong Correlated Superconductors."

Plant Pathology, 3:30 p.m., 112 Buckhout Lab. Meg McGrath on "Developing an IPM Program for Powdery Mildew of Cucurbits: Accomplishments and Remaining Challenges."

**Tuesday, April 18**  
Chemistry, 3:30 p.m., S5 Osmond Lab. Galen D. Stucky on "Sand, Soap, Fly, Flat. Pilens and Lanes: A Mechanistic Approach to Inorganic Solids and Biomaterials."

Biology, 4 p.m., 8 Mueller Lab. Alan Jones on "Auxin Receptors: Speculation on a Unique Mode of Action."

Graduate Program in Nutrition, 4 p.m., S-209 Henderson Bldg. South. Andrea E. Dunaf on "Polycystic Ovary Syndrome: An Important Insulin Resistant State Confering an

See "Calendar" on page 10

## Recycle

continued from page 1

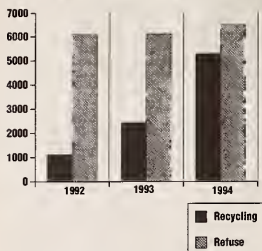
percent or 200-ton reduction in the amount of construction materials recycled," Mr. Melnick said.

As in past years, October and November were the best months for recycling in 1994, with more than 600 tons of material recycled. After leaf waste, mixed office paper had the highest recycling rate at 6 percent of the total or 657 tons. Corrugated cardboard was next, with a total of 390 tons recycled.

The Office of Physical Plant is forming a permanent recycling advisory committee and is looking for volunteers. "We would like to put together a committee of faculty, staff and students interested in recycling and plan to begin meeting this summer," Mr. Melnick said.

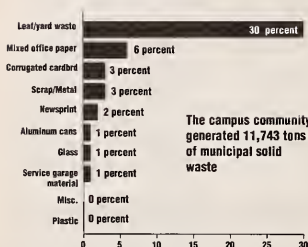
If you would like to volunteer or want more information, contact Phillip Melnick at PRM1@OAS.PSU.EDU, or by phone at 865-7027.

### RECYCLING VERSUS REFUSE



### PENN STATE RECYCLING - 1994

Percentage of total municipal solid waste collected in 1994



The campus community generated 11,743 tons of municipal solid waste

## Penn Staters

William L. Boyd, distinguished professor of education, presented an invited keynote address titled "Productive Schools from a Policy Perspective: Desiderata, Designs, and Dilemmas," at the annual conference of the International Congress for School Effectiveness and Improvement, in Leeuwarden, The Netherlands. He also presented a lecture on British and American school reform at the German Institute for International Educational Research in Frankfurt, Germany.

Alfah H. Carim, associate professor of ceramic science, presented a lecture on "Microstructure of High-Tc Superconductor Films" to the Chemistry Division at the Bhabha Atomic Research Centre near Bombay, India.

Nancy M. Cline, dean of University Libraries, has begun her term as vice president/president-elect of the Association of Research Libraries. ARL represents the interests of 119 libraries that serve major North American research institutions. Its mission is to shape and influence forces affecting the future of research libraries in the process of scholarly communication.

Carolyn Dexter, professor of management at Penn State Harrisburg, has been elected secretary of the International Federation of Scholarly Associations of Management.

Francis M. Dwyer, professor of education, has received the 1995 ECT Mentor Crystal Award of the Educational Communication Foundation of the Association for Educational Communications and Technology. The award, which was initiated by alumni of the Instructional Systems Program of Penn State, recognized Dr. Dwyer's exceptional leadership and ongoing mentorship in the field of instruction technology.

Waterbury Professor of secondary education Henry Giroux has received the Asa Knowles Visiting Endowed Professorship at Northeastern University. The professorship, established to honor Northeastern's former president, has been used in a variety of ways to strengthen the intellectual life of the university and especially to support critical reflection on links between education and work. Professor Giroux's focus of work while in residence there will be the development of a theoretical base for continued rethinking of the role of experience in education.

R. Scott Kretschmar, professor of exercise and sport science, delivered two papers at the International Conference of Sport Philosophy in

Cardiff, Wales. The titles of his papers were "Soft Metaphysics: A Precursor to Good Sport Ethics," and "Why Chairs Work: An Essay on Dodging Mind, Body and Physical Education."

The book *Energy and American Society* by E. Willard Miller, professor of geography and associate dean emeritus, and Ruby M. Miller, retired associate librarian, has been selected as a 1995 Outstanding Academic Book by *Choice* magazine. As a collection development service to academic librarians and faculty, *Choice* editors compile the Outstanding Academic Books list annually to highlight distinguished scholarly works of highest priority for library purchases.

C.R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, presented a series of lectures in India, including the invited lecture "Fascination of Statistics" at the Diamond Jubilee Meeting of the Indian Academy of Science in Bangalore. He also presented an invited talk, "The Use of Hellinger Distance in Graphical Displays of Contingency Table Data," at the Second International Triennial Calcutta Symposium on Probability Statistics, and participated in the 20th Annual Conference of the Indian Society of Human Genetics and the Third International Conference on DNA Fingerprinting, both in Hyderabad. In addition, he presented the inaugural address, "J.B.S. Haldane: The Polymath in the Indian Context," at the International Symposium to Inaugurate the J.B.S. Haldane Institute for Science and Technology.

Louise Sandmeyer, executive director of the Continuous Quality Improvement (CQI) Center, has been appointed to a team that will help determine whether the Malcolm Baldrige National Quality award will be expanded to include schools, colleges and universities. The Baldrige award currently recognizes quality in the corporate world. As a member of the Baldrige award program's 1995 education pilot evaluation team, Ms. Sandmeyer will review and evaluate applications submitted for the pilot program, which will help decide whether to add an education category to the Baldrige award.

Archaeologists Gary and Maude Webster of the Mont Alto Campus delivered an invited, co-authored paper, "The Chronological and Cultural Definition of Nuragic VIII, AD 456 to 1015," at the International Colloquium on Sardian Archaeology at Tufts University, Medford, Mass.

## 25-year Awards



Observing 25 years of service at the University, from left, are: Robert Lesniak, associate professor of education; Donald Miller, assistant professor of engineering; V.N. Murti, assistant professor of economics and statistics; John Patterson, associate professor of American studies and history; and Edward Trunk, associate professor of engineering, all at Penn State Harrisburg; and Roger Zimmerman, steam plant group leader, Office of Physical Plant, The Hershey Medical Center.



## Partings

### OAS employees retire with combined service of 165 years

Five employees of the Office of Administrative Systems, with more than 165 years of service to the University, have retired. They are:

Harold Neff, assistant director of systems operations, 36 years; Judy Sager, staff assistant V, 37 years; Barry Weaver, senior computer specialist, 35 years; Judy Hickes, scheduling supervisor, 32 years, and Judy Lightner, laser printing support specialist, 26 years.

Mr. Neff began at the University as an IBM machine operator Sept. 1, 1957, when OAS (formerly Management Services) was located in the basement of Old Main and was known simply as Data Processing. OAS moved to its current location in Shields Building in 1965. Now, nearly 37 years later, he has been an integral part of the computer industry as it underwent drastic changes.

"I will, obviously, miss the friendships that I've made over the years," he said. "The people in OAS are what made this job so enjoyable. But just because I'm retiring doesn't mean the friendships are also ending. It's not an end, it's just a step in another direction."

For Mr. Weaver, who began as a keypunch operator June 18, 1959, also in Old Main, the years have been a rewarding experience and at age 53, there is more work ahead.

It's been a long, sometimes frustrating, but most enjoyable 35 plus years for me here at good, old Penn State," he said.

"I recently became a grandfather and look forward to spending more time with my granddaughter. I plan on fishing, hunting and playing golf and, with the checklist of 'to do things' my wife gave me for Christmas, that should take about five years, so I'll be busy."

Ms. Hickes, also began as a keypunch operator in Old Main on May 7, 1962. "As with most people, the toughest part of retiring will be the friendships that I've made over the years," she said.

In retirement, she doesn't plan to take it easy. "I plan to travel, do some craftwork and do some things that I always wanted to do but never had the time. We (husband Paul also works for OAS) also have a new home that still has a lot of work to do."

Ms. Lightner, 48, began her career at OAS as a keypunch operator April 1, 1968. Her husband, Rex, a University employee, also retired.

"Obviously I'm too young not to work at something," she said. "We will find something to keep us busy. After 26 years, we will finally have the time to sit back and sort through all the things we never had time to do before. We will be busy working on fixing a couple of antique automobiles that we have and be able to enjoy retirement but will miss the friends that I've made over the last 26 years at Penn State."

Of the five OAS retirees, Ms. Sager, 56, had the longest service with the University. She started as a keypunch operator June 5, 1957.

"It's been frustrating at times," she said. "But it's also been rewarding. I'll miss the people and look forward to more challenges ahead. I still plan on working somewhere part-time so I'll be active and have a lot of hobbies that will keep me busy."

### Assistant professor in ARL ends 30-year career

Oliver H. McDaniel, research associate and assistant professor of acoustics, Power and Mechanical Systems Department, Applied Research Laboratory, has retired after 30 years of service. Dr. McDaniel began working as a research assistant at the Laboratory from 1964 to 1970 then served as a faculty member in the Department of Mechanical Engineering until his return to ARL in 1985.

He received his bachelor's degree in electrical engineering from Clemson University in 1957, his master's degree in physics from Adelphi University in 1966, and his doctorate in engineering acoustics from Penn State in 1975. Prior to joining ARL, he worked for the Republic Aviation

Corporation between 1957 and 1959 and the Grumman Aircraft Engineering Corporation between 1959 and 1964.

Dr. McDaniel's research at the laboratory has focused on underwater acoustic guidance systems. He has authored several publications and holds two U.S. patents. He is a member of the Acoustical Society of America, for which he served as the chairman of the ANSI S1-4 Standards Working Group, a member of Sigma Xi, and an associate of the Institute of Noise Control Engineering.

He and his wife, Suzanne, have two children. In retirement, he will continue his affiliation with the laboratory.

### Professor earns emeritus rank



R. Richard Ritti

R. Richard Ritti, professor of administration of justice and sociology, has retired with emeritus rank after 24 years service.

Dr. Ritti has published many books and book chapters. His most notable publication, *The Ropes to Skip and the Ropes to Know: Studies in Organizational Behavior*, is being prepared for its fifth edition.

Active in service, particularly at the departmental and college levels, he has chaired many committees throughout his career.

Dr. Ritti received a bachelor's degree in mechanical engineering from the Stevens Institute of Technology in 1951. He received his M.S. in sociology from Purdue University in 1957 and a Ph.D. in organizational behavior from Cornell University in 1960.

He joined the University faculty in 1970 as a professor of organizational behavior in the College of Health and Human Development. In 1987 he joined the Administration of Justice program when it relocated to the College of the Liberal Arts.

### Photo processor retires



Carol Lassman

Carol Lassman, photographic reproduction processor for Printing Services, Office of Business Services, has retired after 36 years of service.

Ms. Lassman joined the Department of Purchasing under the former Office Services after graduating from Bellefonte Area High School in 1958. She worked in the bindery department punching, collating and assembling books before moving on to the position of typesetter and platemaker's helper where she performed typesetting duties in addition to preparing photographic plates for offset lithography. Most recently, she supported the unit in the capacity of proofreader and was responsible for reviewing all proofs for accuracy.

According to Ms. Lassman, the greatest professional challenge she has faced in her position was the transition from the variable input phototypesetting process to the use of computerized typesetting and page layout, which eliminated the need for the complex and time-consuming coding of text.

In addition to traveling with her husband Don, Ms. Lassman looks forward to having time for her hobbies: crafts and crocheting. "When I started working at Penn State, right out of high school, five years seemed like a lifetime. I never imagined I'd still be there 36 years later," she said.

### Twenty-seven years of service comes to end

Richard Z. Hindle, associate professor of labor studies and industrial relations, has retired after 27 years service.

Before coming to University Park, Professor Hindle was at the Berks Campus for two years. During his career at University Park, Professor Hindle served as academic chair for summer labor institutes and conferences. He also served for 15 years as the executive secretary of the Union Leadership Academy, an educational program for local union activities in Pennsylvania, New Jersey, and West Virginia.

From 1978 to 1980, Professor Hindle served as the director of the Tripartite Program for Labor Studies, a program for apprentices at the George Meany Center for Labor Studies, Silver Spring, MD. He also served as the national president (1982-1984) of the University and College Labor Education Association.

### Employees retire

Donna J. Schultz, staff assistant VI, Continuing and Distance Education, from Jan. 1, 1983, to March 1.

Maurice G. Sherrard, director, Educational Resources, Hershey Medical Center, from May 2, 1977, to March 1.

## Faculty/Staff Alerts

### New General Stores catalog

Penn State General Stores has produced its newest catalog, *THE OPPORTUNITY OFFICE Products Catalog*. General Stores has teamed up with Boise Cascade Office Products to develop a focused strategy aimed at increasing economic development opportunities for historically under-used companies.

The new catalog features high quality office products from minority-owned businesses, women-owned businesses, and firms that employ the physically and developmentally challenged.

General Stores currently is distributing the catalogs to offices and all Commonwealth Campuses. Contact General Stores, (814) 863-0817, if you have any questions regarding this new program, contact Mrs. Wilmer at (814) 863-0317.

### Summer programs

Parents and children are invited to a day-long event that highlights the role of play in a child's development. "Go Fishing for a Summer Program for Your Child" will be held from 10 a.m. to 4 p.m. Saturday, April 22, in the HUB Fishbowl, and will feature several booths where visitors can obtain information and sign up for summer programs available in Centre County. Activities for both parents and children to play and learn together are also scheduled throughout the day, including an 11 a.m. story time, a song festival and stories at noon, interactive theatre at 1 p.m., and tap dancing at 2:30 p.m. For more information about the event, sponsored by Penn State Child Care Program Services, contact 865-9346.

### Trek International

Travel Services, through an agreement with Trek International, is making Trek International memberships available to all faculty and staff.

The 12-month membership, regularly selling for \$59.95, is being offered to University employees for an annual fee of \$29.95. You will receive a full-color directory that lists all of the participating hotels and resorts as well as a personalized membership card.

Your membership entitles you to a 50 percent discount at nearly 3,000 participating hotels and resorts worldwide, plus other amenities. Trek International offers an unconditional money back guarantee. The membership is not a reimbursable University expense, but is made available to offer travelers additional savings on their personal and business travel.

For more information, or to order your membership, contact Trek International at 1-800-556-8753, or write to: Trek International, c/o PSU Travel Services, 3333 California Ave., Pittsburgh, PA 15212.

### Human Resources Policies and Guidelines

In keeping with the University's direc-

tion toward the University Policy Register ultimately being the official University policy source, effective immediately the Human Resources (HR) Policies and Guidelines will be accessed solely through electronic means.

Systems and Procedures has sent notice to University Policy Manual holders that the paper HR Policies and Guidelines are current only as of this time, and revisions or new HR Policies and Guidelines no longer will be distributed for the manuals. Therefore, it is suggested that the Human Resources section be removed from the Policy Manual.

Electronic access to the HR Policies and Guidelines is available through the University Policy Register via both the Copher server and the LIA system and through the EMC2 Bulletin Board. The EMC2 Bulletin Board access will be discontinued eventually, as University Policy Register access reaches a substantial user saturation point.

Questions on any Human Resources Policies or Guidelines should be referred to your University Representative or the Employee Relations Office (814-865-1412).

### Telephone solicitations

There has recently been a significant increase in telephone solicitations from unscrupulous vendors trying to sell office and computer supplies. These callers usually say they are overstocked and are offering toner and other supplies at close-out prices. In their prices may be considerably higher and the quality inferior. These callers many times attempt to represent themselves as agents of major manufacturers or Penn State's General Stores.

If you receive a call of this nature, please refer it to Purchasing Services at 865-2567 for investigation.

### Animal care

The University's Institutional Care and Use Committee (IACUC) has the responsibility for ensuring that all animals used in research, education, or testing activities at the University are treated humanely and in accordance with all federal, state and local laws and regulations. These activities are coordinated through the Office for Regulatory Compliance (ORC), in 212 Kern Building on the University Park Campus.

Concerns or questions related to projects involving animals conducted at or under the auspices of the University can be directed to Candice Yekel at the Compliance Office (Telephone: 865-1775; FAX: 814-863-8699; Email: CAY@PSU.ADMIN). The matter will be referred to the chairperson of the IACUC and the attending veterinarian, and if appropriate, the IACUC. These concerns or questions will be handled confidentially, and federal law prohibits the discrimination against people who bring forth legitimate concerns for investigation.

### Bicycle registrations

The Department of University Safety, Police Services would like to remind bicycle owners that current bicycle registrations will expire on May 31. New bicycle registrations are available at the parking booths throughout the University Park Campus from 7 a.m. to 4:30 p.m., Monday through Friday, and at Police Services, Eisenhower Parking Deck, at other times.

Bicycles that are left unattended on campus and do not bear a current registration are subject to impoundment by Police Services beginning July 1.

Impounded bicycles that are not claimed within a 90-day period will be disposed of through Surplus and Salvage.

### USAir discount program available

USAir has offered Penn State a 5 percent discount off lowest available fare, or 10 percent off fare, on its business related travel through contracted travel agencies. The cost savings offer stems from the University's successful effort to consolidate its business travel activities through its travel services office and the adoption of the USAir Universal Air Travel Plan card.

The discount program, which is effective immediately, is limited to business travel and will remain in effect through April 31. The University is able to realize a cost savings of \$116,500 based on the initial trial period. With the potential of a one-year renewal of USAir's Universal Air Travel Program, Penn State's travel services in coordination with its contracted agencies projects savings of \$233,000 for the University.

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for these courses, please call 865-3216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

■ Intermediate IBIS (ADC 004) Meets Friday, May 12, 9 a.m.-noon in 116 Wagner Building; cost: \$400.

■ Working Effectively As An Empowered Employee (PRO 010) Meets Friday, May 12, 9 a.m.-4 p.m. in 319 Rider Building; cost: \$55.00.

■ Stress Workshop (WEL 047) Meets Monday, May 15, 1:40 p.m. in 319 Rider Building; cost: \$55.00.

■ Using ISIS AIDA (ADC 011) Meets Monday, May 15, 1:40 p.m. in 116 Wagner Building; cost: \$400.

■ Facilitator Training III (CQI 007) Meets Tuesday, May 16, 9 a.m.-noon in 319 Rider Building; cost: None.

■ Using The Secured Card and Net-Pass (ADC 010) Meets Wednesday, May 17, 9 a.m.-noon in 116 Wagner; cost: \$40.00.

■ Designing Effective Computer-Based Presentations (COM 009) Meets Thursday, May 18, 9 a.m.-noon in 141 Computer Building; cost: \$60.00.

## Calendar

continued from page 7

Increased Risk of Diabetes Mellitus."

**Wednesday, April 19**  
Gerontology, 12:15 p.m., 305 HUB. Al Hermain, speaker.

**Biotechnology Institute, 4 p.m., 110 Warik Lab.**  
Ken Feldman on "Twisted and the Seven Dwarfs: Genes that are Involved in Cell Elongation."

**Thursday, April 20**  
Adult Continuing and Distance Education, noon, 201 Keller Bldg. William Kelly on "Outreach in General Education: New Clientele, New Markets, New Competition."

**Physics, 3:30 p.m., 101 Osmond Lab.** Jordan A. Goodman on "Particle Astrophysics: The M30 Gamma Ray Observatory."

**Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg.** David Bourne, speaker.

**Friday, April 21**  
Economics, 2:30 p.m., 26 Hesler Bldg. Douglas C. North on "Modeling Economic Change."

**Agromony, 3:35 p.m., 107 ASI.** Edward Werner on "Using the Economic Threshold Concept as a Decision Tool for Vertebrate Control in Farm Corn."

**Monday, April 24**  
Condensed Matter, 3:30 p.m., 339 Davey Lab. Roger Koch on "Vortex Glass State in High T<sub>c</sub> Superconductors."

**Plant Pathology, 3:30 p.m., 112 Buckhout Lab.** Jean Ripstein on "Tracking Epidemics of Plant Disease in Space and Time."

**Tuesday, April 25**  
Chemistry, 3:30 p.m., 35 Osmond Lab. Jacqueline K. Barton on "Targeting Nucleic Acids with Transition Metal Complexes."

**Wednesday, April 26**  
Gerontology, 12:15 p.m., 101 HR&D East. Germaine Odenheimer on "Evaluation of the Elderly in Space and Time."

**Biotechnology Institute, 4 p.m., 110 Warik Lab.** David Fischhoff on "Development of Impact Resistant Transgenic Plants."

**Thursday, April 27**  
Physics, 3:30 p.m., 101 Osmond Lab. Stephen Berry on "The Surprising Phase Behavior of Clusters."

**Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg.** Terry Harrison, speaker.

**Friday, April 28**  
Agromony, 3:35 p.m., 101 ASI. John Stiller on "Hydrology and Nutrient Export in a Small Northeastern Pennsylvania Watershed."

### CONFERENCES

**Tuesday, April 18**  
PA Bankers, 90 attendees, Nittany Lion Inn. Through April 19.

**Monday, April 24**  
Better Process Control School, 70 attendees, Nittany Lion Inn. Through April 27.

### EXHIBITS

**HUB Art Alley Panels and Cases:**  
Arts and Architecture Student Council Exhibit. Through May 4.

**Rileneur Lobby:**  
Artwork of Emanuel Panglioni, including self-portrait and paintings of friends. Through April 25.

**Palmer Museum:**  
"Continuity, Innovation and Connoisseurship: Old Master Paintings and Drawings from Pennsylvania Collections," through April 30.

"Gift to Celebrate the New Museum," through July 16.

**Zoller Gallery:**  
MFA Thesis Exhibition. Through April 23.

■ Reflects an international perspective



## Consensus not always good

Researcher finds that dissension could be a plus for multinational firms



Michele Ann Govekar, assistant professor of management at Penn State Erie, assesses international strategies of firms.

Photo: Courtesy of Penn State Erie, The Behrend College

**T**oo much agreement between managers at the home office and their counterparts in foreign subsidiaries might be backfiring on some multinational firms, according to a researcher from Penn State Erie, The Behrend College.

"You would think high levels of consensus on strategy between headquarters and subsidiaries would benefit a subsidiary's performance," Michele Ann Govekar, assistant professor of management with the School of Business at The Behrend College, said. "However, what I found suggests that some kinds of consensus between general managers on strategic dimensions may be dysfunctional."

Dr. Govekar's data came from intensive interviews and surveys of 69 pairs of headquarters and subsidiary general managers from 26 countries in 20 U.S. multinational firms. Nearly 70 percent of the subsidiaries she examined were in either Europe or the Far East; others were in Central and South America, Australia/New Zealand, Canada, Russia, and South Africa.

Among other factors, the researcher asked all of the managers to assess their firms' international strategy, competitive strategy, product-market scope, and subsidiary per-

**Subsidiary managers who were "in line" with headquarters on policy matters, tended to work in shops whose performance was weaker than those who strayed from the home-office policy.**

formance. The subsidiary managers were also asked to report their incentive compensation, inclusive strategy process, and experience with the firm and international business.

Subsidiary managers who were highly "in line" with headquarters on international and competitive strategy tended to work in shops whose performance was somewhat weaker than those who strayed from the home-office philosophy.

Dr. Govekar also found that the more experience subsidiary managers had with their firms, the lower their levels of consensus with headquarters managers tended to be on over-

all international strategy. Furthermore, this decreased consensus was linked to better subsidiary performance, as assessed by the subsidiary managers themselves.

These findings may be important, Dr. Govekar said, because the rising incidence of international competition has brought increasing reliance on foreign operations and an increased emphasis on tighter management of foreign subsidiaries.

"General managers of foreign subsidiaries form an important link between subsidiaries and headquarters," she said. "But since these results suggest that managerial disagreement could be the naturally positive state, maybe firms only need to control and force consensus at particularly trying times."

"At any rate, even small effects on subsidiary performance from consensus or dissension can be important since the dollar value of the effects may be quite large."

The researcher suggests future examinations of these issues could target what kinds of consensus on strategic issues matter, who should strive for consensus, and how causality for consensus and performance works.

— Gary W. Cramer

## Research



Don't  
confess  
all

Small businesses beware: What you tell your most frequently consulted financial adviser is no secret in the face of a subpoena, said David T. Doran, assistant professor of accounting at Penn State Erie, The Behrend College.

"The American Institute of Certified Public Accountants and other researchers have found that small business owners rely on their certified public accountants more than anyone else for business advice," Dr. Doran said.

Unlike doctors, lawyers and clergy, CPAs don't enjoy federally recognized privileged communications. Fourteen state legislatures recognize confidential communications between CPA and client only in matters governed by the state.

Through research, Dr. Doran found that nearly two-thirds of the 107 small business owners surveyed are under the false impression that conversations with their CPAs are protected by federal mandate.

"When CPAs are subpoenaed by the IRS, there are no confidences," he said. "They are obligated by law to testify."

## The great outdoors

If you want your lawn mower to last from year to year, here are some tips from James Garthe, instructor in agricultural and biological engineering:

- 1) Read the owner's manual and follow directions for maintenance.
- 2) Pay careful attention to the viscosity and quality of oil used.
- 3) Keep the air filter clean.
- 4) Check or change the engine's spark plug at the beginning of the season.
- 5) Before storing the mower for winter, change the oil.
- 6) Change the oil while it's still warm and contaminants are suspended.
- 7) Wait until it cools allows the materials to settle to the bottom of the crankcase and solidify into a thick gum.
- 8) If possible, remove gasoline from the tank before storing the mower. If you can't remove the old gas, put a fuel stabilizer designed for small gas engines in the tank and run the mower for a few minutes before storing.

"A good lawn mower should last 8 to 10 years," he said.

# CONSERVATION



## CORNER

**H**ave you ever wanted to reduce your electric bills, operate your home appliances for less, reduce atmospheric pollution, or just find a good excuse to throw out that old waterbed? If so, then welcome to "Conservation Corner," a series of explorations about energy in the home and here at the University. Did you know that the electric bill for University Park hit \$835,000 in August 1994? That's the highest monthly electric bill Penn State ever had. Even worse, the three-year trend is showing an average increase of about 12 percent a year. Remember the mid-70s when Penn State had an active Energy Conservation Program? Well, it's back.

The new conservation program is overseen by the University-wide Campus Energy Committee which is co-chaired by Douglas Donovan and George Schimmel. The group is composed of various college representatives, key energy managers from OPP and student representatives from U.S.G. and Eco-Action.

There are three major ways to cut energy consumption: turn it off, refine existing systems, or install new technologies with improved efficiencies. Penn State intends to use all three. The Energy Committee is experimenting with various types of lighting sensors which will automatically turn off overhead lights when rooms are vacant. You may have seen some of the prototypes in Willard and the Classroom Building on the University Park Campus. We are also looking for ways to shift certain high energy usage away from 9 a.m. to 4 p.m. Monday through Friday to avoid peak rate charges, and we are buying the latest in energy reduction technology.

You may never think about the thousands of exit signs at University Park which stay on 24 hours a day, but the committee does. It will be replacing 2,600 of them with super efficient LED (light emitting diode) bulbs to cut energy usage by a factor of 30. The LEDs are also expected to last more than 25 years, so we'll save relamping costs, including janitorial time by not having to replace bulbs. The test projects which work out at University Park will then be implemented at the Commonwealth Campuses. Most of the campuses pay more for electricity than we do at University Park, so the payback will be even faster.

For more information about the Penn State Energy Conservation Program, or to send your comments and suggestions, contact Paul Ruskin via E-mail (PRD2@OAS.PSU.EDU).



**Taking home the prize...**

... for his research into "Understanding the Regulation of the Beta-Globin Genes" is Normal Kumar Veeramachandran (back), the overall winner at the 1995 Undergraduate Research Fair. He and his research supervisor Ross C. Hardison, professor of biochemistry and molecular biology, discuss his entry at the close of the awards ceremony. This year, about 66 exhibits illustrated undergraduate research from nearly every college in the University.

Photo: Greg Grieco

## Promotions

### Staff

Wendy A. Deibler, staff assistant V in Corporate Controller's Office

Joelle J. Dudley, transaction services specialist at The Hershey Medical Center.

Judy M. Everly, senior applications/programmer analyst, Computer and Information Systems, in Office of Administrative Systems

Eileen K. Gamm, staff assistant VI in College of Engineering

Debbie L. Graby, business and finance assistant at The Hershey Medical Center.

Timothy A. Hopkins, architect in

Applied Research Lab.

Lawrence A. Maso, senior applications programmer/analyst in Business Services.

Peggy J. McCann, staff assistant V at Penn State Shenango Valley Campus.

Jean A. McGrath, client development manager in Continuing and Distance Education.

Marion Mussoline, clinical nurse specialist at The Hershey Medical Center.

David C. Myers, technician, Research, at The Hershey Medical Center.

Penny L. Orndorf, staff assistant IV in Continuing and Distance Education.

Paul G. Poissant, coordinator, Professional Development Program, in The

Smeal College of Business Administration.

Betty M. Rinninger, staff assistant VII in College of Health and Human Development.

Raymond F. Scheetz, senior technician, Research, at The Hershey Medical Center.

James P. Serafini, systems analyst at Penn State Erie, The Behrend College.

Jodi A. Shaw, staff assistant V in College of Engineering.

Phyllis R. Shuey, senior applications/programmer analyst, Computer and Information Systems, in Office of Administrative Systems.

## PENNSTATE



## INTERCOM

Department of Public Information

312 Old Main, University Park, PA 16802 Phone: 865-7517

Address correction requested

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Lisa M. Rosellini, editor

Kathy Norris, staff assistant/calendar

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## work helps makers learn ut Penn State

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mmonwealth relations, who  
heading the Network.

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"Network" on page 4

April 20 not published; no. 28 skipped

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# CONSERVATION



## C O R N E I

**H**ave you ever wanted to reduce your electric bill? Operate your home appliances for less, reduce atmospheric pollution, or just find a good excuse to throw out that old waterbed? Then welcome to "Conservation Corner," a series of explorations of energy in the home and here at University Park. Did you know that the electric bill for University Park was \$835,000 in August 1994? That's the highest monthly electric bill the State ever had. Even worse, the trend is showing an average increase of about 12 percent a year. Remember the mid-70s when the State had an active Energy Conservation Program? Well, its back.

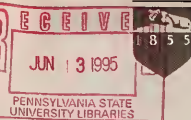
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For more information about the State Energy Conservation Program, to send your comments and suggestions, or to contact Paul Ruskin via email, please write to PDR2@OAS.PSU.EDU.





# INTERCOM

April 27, 1995

Volume 24, Number 29

## Crime rate at University Park continues decline

While reports of crimes committed on and near college campuses are often highly publicized — and create legitimate concerns among students and parents — annually reported figures at Penn State show that serious crime on the University Park Campus is continuing a long downward trend.

The actual numbers of Part I or serious crimes committed are continuing to drop, and the crime rate — the number of crimes committed in a geographic area per 100,000 people — is dropping even faster. In 1994, the number of serious crimes (such as theft and aggravated assault) reported to campus police was much lower than it was in 1993, according to a report from David E. Stormer, assistant vice president for safety and environmental services.

This marks the third year in a row that the incidence of serious crimes has dropped dramatically. Serious crime at Penn State also is less frequent today than it was 20

years ago. It has always been extremely low in comparison to that in surrounding communities, in major metro areas in the state, and in the rest of the state and the nation as a whole.

Last year, 762 Part I crimes — serious crimes such as rape, robbery, aggravated assault, burglary, larceny/theft, auto theft, and arson — were reported at the University Park Campus. In 1993 the figure was 802, in 1992 it was 976, and in 1991 it was 1,018.

No murders or manslaughters were reported to campus police between 1975 and 1994. No rapes were reported in 1994, although four were reported in 1993, five in 1992 and two in 1991. The 762 Part I crimes reported in 1994 consisted of 692 larcenies, 41 burglaries, 19 assaults, five auto thefts, three robberies, and two acts of arson. ("Larceny/theft" is defined as the taking of another person's property, while "burglary" is defined as the taking

See "Crime" on page 3

## Network helps lawmakers learn about Penn State

If personal contact is important, the University's new Legislator Advocacy Network should be successful.

"The essence of our effort is developing and maintaining personal contact with legislators in campus service areas across the state," said Helen E. Caffrey, director of commonwealth relations, who is spearheading the Network.

"We have been structuring teams to work with local legislators and, at the same time, have been inviting legislators to visit our campuses to better illustrate what we are doing, our vision for the future, and how they may play a part in that.

"Essentially, we are working on more and more ways to connect those in the University community with their legislators. We see this effort as a means of establishing a new and unique presence for the University."

Key to the Network are the teams of volunteers—faculty, staff, students, alumni, campus advisory board members and friends—assigned to each House of Representative and Senate member who represents constituents served by a Penn State campus.

"The team approach allows us to develop a personal ongoing communication with legislators that represents the breadth of the Penn State family," Ms. Caffrey noted.

"Legislators tend to make decisions based on personal experiences and experiences and advice of personal friends or acquaintances. It is our hope that team members over time will bring some continuity of delivery of our message and begin a more personal relationship. This, in turn, will lead to the building of

See "Network" on page 4

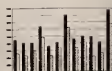


### Delicious news

Cameraman Allen Rosen (right) is part of the film crew that recently descended on the Creamery at University Park to capture footage for the documentary "The Ice Cream Show." Samuel Shaver, ice cream freezer operator, adds strawberries to the mix as part of the ice cream making process. The documentary, produced by Rick Sebak — producer of "Pennsylvania Diners and Other Roadside Restaurants"—will look at why people like ice cream.

Photo: Greg Greco

## Inside



### Gender Equity

New report shows Penn State edging closer than Big 10 counterparts to closing the gap. See page 20.



### DATeline Penn State

Every year, University researchers and their work are touted by media across the country. In this special section, a sampling of media hits from September 1994 through April 1995 is highlighted.

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- Faculty/Staff Alerts.....21
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## DIVERSITY

### Diversity Briefs

#### Religious observances

Occasionally students request exemptions from class attendance and other University obligations because of religious observance. As a guide for University faculty and staff, the listing which follows was compiled in consultation with campus and community religious leaders and specifies those holy days of the major world religions for which observance may require a student to be excused from his/her normal routine.

<b>September 1995</b>	Rosh Hashanah begins at sundown Sept. 24 and ends at sundown Sept. 26 (Jewish)
<b>October 1995</b>	Dussehra; exact date dependent on lunar calendar (Hindu)
3 (approximate)	Yom Kippur (Jewish)
4	Sukkot (Jewish)
9-10	Shermni Atzeret begins at sundown Oct. 15 and Simchat Torah ends at sundown Oct. 17 (Jewish)
16-17	Diwali (Festival of Lights) (Hindu, Sikh)
23 (approximate)	
<b>November 1995</b>	
1	All Saints Day (Roman Catholic, Protestant)
7	Guru Nanak Birthday (Sikh)
12	Bah'u'llah Birthday (Bahai')
<b>December 1995</b>	
8	Feast of the Immaculate Conception (Roman Catholic)
<b>January 1996</b>	
16	Bodhi Day (Enlightenment) (Buddhist)
22 (approximate)	Ramadan - exact dates depend on lunar calendar (Islam)
<b>February 1996</b>	
21	Ash Wednesday (Roman Catholic, Protestant)
	Idul-Fitr - end of fast of Ramadan (Islam)
26	Eastern Orthodox Lent begins (Orthodox Christian)
<b>April 1996</b>	
4-11	Passover (Jewish). The first two days and the last two days are holiday observances.
5	Good Friday (Roman Catholic, Protestant)
7	Easter (Roman Catholic, Protestant)
12	Good Friday (Orthodox Christian)
14	Easter (Orthodox Christian)
21	Festival of Riddan (Bahai')
28 (approximate)	Idul-Adha (Festival of Sacrifice) Date dependent on lunar calendar (Islam)
<b>May 1996</b>	
16	Ascension Day (Roman Catholic, Protestant)
19 (approximate)	Muharram (New Year) (Islam)
23	Ascension Day (Orthodox Christian)
24-25	Shavout (Jewish)

This is a list of only those holy days which occur when classes are in session.

#### Lectures on VHS

As part of a series of lectures sponsored by The Women in the Sciences and Engineering (WISE) Institute, VHS copies of some of the lectures are available for viewing. The most recent lecture offered on tape is "Successful Women in Mathematics Throughout History," a historical overview given by Dusa McDuff, professor of mathematics at the State University of New York, Stony Brook.

In her March 22 lecture, Professor McDuff travels back to the time of Pythagoras to give some perspective to the field of mathematics and the women who chose it as a career. Dr. McDuff moves through time and history discussing famous women such as Hypatia of Alexandria, who is credited by some with the invention of the astrolabe and planisphere, Emile du Chatelet, who wrote *Institutions of Physics* and translated Newton's *Principia* to French, and Maria Agnesi, who wrote a comprehensive textbook on calculus - which was in print for 50 years. As the eldest of 21 children, she spent 10 years raising her siblings after her parents died. She also touches on the lives of Sophie Germain, who solved a special case of Fermat's Theorem for numbers less than 100, and Emily Noether, a Princeton lecturer.

Anyone interested in seeing the lecture should call the Wise Institute at 865-3342.

## COMMISSION for Women

A column informing the University community about the activities of the Commission for Women

#### Workshop for technical service women

On May 9 from 8 a.m. to noon, a second workshop for women working in technical service positions at the University is planned.

Sponsored by the Commission for Women, the Office of Human Resources, and the Equal Opportunity Planning Commission, the workshop

held in May 1994. After receiving positive feedback about last year's workshop, the Commission for Women and the presenters from Tradeswomen of Purpose believed a second workshop was needed.

This year's workshop will be conducted again by the Tradeswomen of Purpose. The presenter will explore ways to network with peers on campus, work with professional organizations, and gain the education and experience needed to move to new positions.

The workshop is free to anyone who completes the registration forms and has received confirmation of workshop registration.

#### Research Grant Program

One of the recommendations resulting from the 1994 Tenure-Track Faculty Study, supported by the Commission for Women, was to "expand and promote professional development programs to support research/scholarship, teaching, and service...."

Working to implement some of the recommendations of that study, which was based on the experiences and perceptions of tenure-track faculty, the commission developed the Research Grant Program in the fall of 1994. Through the program, the commission hoped to provide opportunities for tenure-track faculty women to explore or pursue an unfunded or an underfunded research initiative.

Members of the Outreach Committee developed criteria for the program, which would provide \$1,000 each to two tenure-track faculty women. Eleven proposals were received and on March 20, the two awards were presented at the commission's Tenth Annual Spring Banquet.

Shirley P. Homan, associate professor of nursing, University Park, will use her award to survey the primary health care needs of rural children with chronic, disabling or developmental disorders. Donna J. Kuga, assistant professor of exercise and sport science, Beaver Campus, plans to develop a survey which will begin to look at gender differences in coaching potential.

### Harrisburg offers African Culture Series in May

The Harrisburg Multicultural Coalition and the Penn State Harrisburg, Eastgate Center will present African Culture Series, a five-part series of presentations on modern-day African countries, during May. All sessions will be held from 6 to 8 p.m. at the Penn State Harrisburg Eastgate Center, 1010 N. Seventh St., Harrisburg.

Following is the schedule:  
May 3, South Africa with Debra Cruel M.S. Cruel lectured at five universities in South Africa at the invitation of the University of Pretoria, the Christian Leadership Ministries, and "People with a Vision."

May 10, African Business Travel with Roger Dixon M.D. Dixon is a local entrepreneur and serves as owner and CEO of Dixon's Retail Hut, Harrisburg. He will discuss his travels to

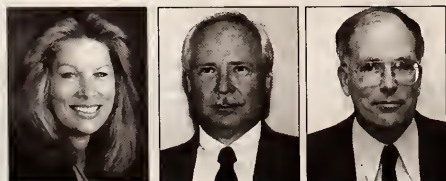
Banjal, Gambia, Dakar and Senegal.

May 17, West Africa with John Scott and Dr. George Love M.R. Scott and Dr. Love will share slides and artifacts from their visit to Ghana, Senegal and Ivory Coast with African Charter Tours.

May 23, West Africa with Virginia Loria, Guy Stevenson and Sylvia Stevenson. Ms. Loria, Ms. Stevenson and Mr. Stevenson will discuss their recent visit to Ghana, Senegal and Cote D'Ivoire. In addition, Mr. Stevenson will play and demonstrate instruments he purchased in Ghana.

May 24, Central Africa with Professor Robert Ness M.R. Ness, professor of English at Dickinson College, traveled with several area teachers to the Republic of Cameroon.

### 25-year Awards



Observing 25 years of service at the University are, from left, Vicki Abi, professor of sociology and American studies at the Penn State O'Leary Campus; Fred Clippard, assistant professor of chemistry, and Carl Hurd, assistant professor of mathematics, both at the Penn State Altoona Campus.



## HRDC Computer Course Schedule for Faculty and Staff Summer 1995

The following computer courses are joint offerings of the Human Resource Development Center, the Center for Academic Computing and the Office of Administrative Systems. The courses are held in room 116 or 117 Wagner Building. To register for one of these courses, complete the registration form found in the HRDC Course Schedule for Spring and Summer. Course descriptions and costs can be found in the brochure as well. For additional information about the content of these courses call 863-7491.

### Administrative Topics

Using Emc2/TAO (IBM)	Sec 2: July 21, 9 a.m. - noon
Introduction to ISIS (IBM)	Sec 2: July 10, 1-4 p.m.
Using the RMSD (IBM)	Sec 2: July 6, 9 a.m. - noon
Introduction to IBIS	Sec 5: June 8 (IBM), 1-4 p.m. Sec 6: Aug. 3 (Mac), 9 a.m. - noon
IBIS AIDA (IBM)	Sec 2: July 25, 1-4 p.m.
IBIS Financial Forms (IBM)	Sec 2: July 25, 9 a.m. - noon
Intermediate IBIS (IBM)	Sec 3: Aug. 17, 1-4 p.m.

### IBM Topics

Introduction to DOS 6.1	Sec 3: June 27, 9 a.m.-4 p.m.
World for Windows 6.0 Complete	Sec 3: June 12, 14, 16, 8 a.m.-noon Sec 4: Aug. 7, 8, 10, 8-noon
Introduction to Windows 3.1	Sec 4: July 5, 6, 1-4 p.m. Sec 5: Aug. 9, 11, 9 a.m.-noon
Excel 5.0 Complete	Sec 2: July 24, 26, 28, 8 a.m.-noon
Intermediate Excel 5.0	Sec 2: Aug. 22, 1-5 p.m.
WordPerfect 6.0 Complete for Windows and DOS	Sec 3: (Windows) June 19, 21, 23, 1-5 p.m. Sec 4: (DOS) July 17, 19, 21, 1-5 p.m.
Advanced Wordperfect 6.0 Introduction to Lotus Windows 4.0	Sec 1: Aug. 9, 9 a.m.-4 p.m. Sec 4: July 18, 20, 14-30 p.m.
Introduction to Lotus DOS 3.1	Sec 3: June 13, 15, 1-4:30 p.m.
Wordperfect 6.0 for Windows Macros	Sec 1: June 29, 8 a.m. noon

### Macintosh Topics

Introduction to the Mac	Sec 2: June 13, 9 a.m.-4 p.m.
Excel 4.0 Complete	Sec 2: June 26, 28, 30, 8 a.m.-noon
Word 5.1 Complete	Sec 2: June 14, 16, 1-5 p.m.
Advanced PageMaker 5.0	Sec 2: June 15, 9 a.m.-4 p.m.
Photoshop	Sec 1: June 27, 9 a.m.-4 p.m.

## Crime

continued from page 1

of property from a residence or business.)

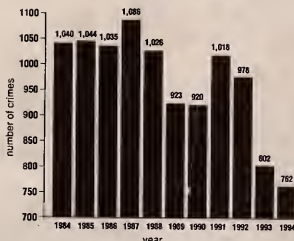
Mr. Stormer points out that the reductions over 20 years occurred in spite of substantial cuts in the number of campus police and substantial growth in the number of students, faculty and staff. In 1975 the number of serious offenses reported was approximately 1,160, considerably higher than last year's figure of 762, even though the number of full-time students in 1975 was about 32,000. (Today, there are more than 38,000 full-time students.)

There were 47 sworn officers and about 12,000 faculty/staff members at the University Park Campus; in 1975 there were 64 sworn officers and about 7,000 faculty/staff members.

"The figures reported to us show that crime has been declining in real numbers," Mr. Stormer said. "And since the number of students, faculty and staff has increased by 30 percent over the past 20 years, the crime rate is really down."

Mr. Stormer attributes the downward trend to campus police efforts to educate the community about ways to prevent crime.

OVER THE YEARS  
Crime Statistics for University Park\*



\*Part I crimes — which include rape, robbery, aggravated assault, burglary, theft and arson.

"Our success lies in engaging the community and avoiding and preventing crime. The ability of the community to be aware of the possibilities of crime, and to take measures to prevent them, is very important. It's also a reflection of community values — not only those of the Penn State community but also those of the greater State College community and surrounding areas."

Penn State has been gathering and publicly reporting campus crime statistics for more than 20 years — long before Pennsylvania colleges and universities were required by law to do so. In January, a state law went into effect that requires all Pennsylvania colleges and universities to maintain and make available to the public and the media a chronological log of reported crimes.

Part II offenses are generally less serious offenses such as disorderly conduct, public drunkenness, and vandalism. But some are very serious, such as sex offenses, which generally include indecent exposure, voyeurism, sex-motivated assaults such as fondling, and even more severe offenses.

Last year, 2,115 Part II crimes were reported to campus police, 202 more than the 1,913 reported in 1993. Among the 2,115 Part II crimes in 1994 were 379 cases of disorderly conduct, compared to 288 in 1993; 315 acts of vandalism, compared to 310 in 1993; 168 liquor law violations, compared to 121 in 1993; 90 cases of fraud, compared to 73 in 1993; 52 narcotics law violations, compared to 38 in 1993; and seven sex offenses in 1994 and the same number in 1993.

On campus, crimes of violence or crimes against persons occur much less frequently than they do in the surrounding community, in other parts of the state, statewide and nationwide.

In 1993, on campus, 1.4 percent of Part I crimes reported were crimes against persons, compared to 4.1 percent in State College, 6.8 percent in Centre County, and 20 percent in Philadelphia. Historically, in Pennsylvania and nationwide, 12 percent of the Part I crimes reported to police have been crimes of violence or crimes against persons.

—Alan Janesch

## Altoona Campus breaks ground for new technology center

A \$750,000 pledge from an Altoona couple topped the recent groundbreaking ceremonies for an Advanced Technology Center at the Penn State Altoona Campus. The money will be used to create an endowment to support the new bachelor of science degree program in electro-mechanical engineering that will be housed in the center.



Ralph and Helen Force

The gift from Helen and Ralph Force, both natives of Altoona, helps edge the campus closer to its \$1.5 million goal established last year as part of the Partnership for Advanced Technology campaign at the campus.

Advanced construction is expected to begin before mid-June on the \$2.1 million facility, the campaign is not complete. So far, the Altoona Campus Advisory Board has raised approximately \$1.25 million.

The new 15,000-square-foot center will be built as an addition to the J.E. Holtzinger Engineering Building, which is home to the campus' electrical engineering technology and mechanical engineering technology laboratories. When complete, the Advanced Technology Center will contain an electronic classroom, specialized storage areas for high-tech equipment, faculty offices, a lobby/display area for student projects, as well as these five engineering laboratories, all with state-of-the-art equipment:

- Machine shop/chemical laboratory: for general machining, foundry, and chemical etching.
- Manufacturing laboratory: for robotics, programming logic controllers, computer numeric control, CAD/CAM, flexible manufacturing systems and computer-integrated systems.
- Project laboratory: including a four-ton hydraulic equipment lift, access to an exterior concrete pad, and space for the design and construction of student projects.
- Controls laboratory: including digital I/O automatic control hardware, pneumatic/hydraulic technology, and stepper/servo motor technology.
- Communications laboratory: for data/information

transfer and control, fiber optics and networking.

Construction of the building, slated for completion in mid-1996, is being funded in part by a \$625,000 state appropriation. The \$750,000 gift from the Forces will create an endowment to replace the high-tech equipment needed by the engineering laboratories.

Mr. Force is CEO of Electric Motor and Supply, Inc., a company which repairs electric motor controls and motors. The company, which employs 86 people, has a second plant in Lancaster and serves industrial clients from a five-state region. Mr. Force attended the University of Missouri while he was in the Air Force, and worked for his father's company, Force Electric, before founding EMS in 1956. He is a member of the board of directors of the Altoona Symphony. Helen Force is active in the Blair County Historical Society and at Baker Mansion. She is past-president of the Altoona Women's Club and is on the boards of both the Altoona and Hollidaysburg Area libraries.

## Network

continued from page 1

two-way communication links."

The approach already has paid dividends at the Penn State Hazleton Campus.

"As a result of our first luncheon on campus for legislators, I've become involved in an economic revitalization project for a number of townships in North Schuylkill County, the service area of the campus," Paula Caffrey, director of development and university relations, said.

"Two of the legislators involved in the project came to us and asked for help. As a result, Penn State has become a very real partner, working with legislators on a practical project.

"This more frequent contact with legislators is a direct outgrowth of the Legislator Advocacy Network. Through these efforts, the University is seen in a wonderfully resourceful light and we are able to make the case that Penn State is a real Commonwealth resource."

Penn State Hazleton held its first formal luncheon for legislators in fall 1993 and is planning its third luncheon this fall.

"When we planned our first program," Ms. Caffrey said, "I realized we had never had all of our area legislators together at one time on campus. The attendance was extraordinary. We have a large number of students on our network team and the legislators were truly impressed with them."

"The formal program has led to more informal visits with the legislators in their offices. These visits have enabled us to further cultivate our relationship with them."

The Network was initiated in spring 1993 by President Thomas, who, at the time, cited a need for legislators to hear directly from their voting constituents about the importance of investment in higher education and the effectiveness of University programs.

Currently, there are Network teams at 15 Penn State locations throughout the state. The 117 teams include 558 participants who are students, staff members, faculty, alumni, and campus advisory board members.

Ultimately all external University locations throughout the Commonwealth will be part of the Network. Each location network hub will have a team of volunteers assigned to area legislators representing constituents served by a Penn State campus.

The number of teams at a hub may vary from 5 to 15. Work is commencing on constructing regional teams for Pittsburgh and Philadelphia to communicate with legislators within the multi-Penn State Campus inner-city metropolitan service areas.

According to Ms. Caffrey, the Network's primary goals are to:

- emphasize Penn State's mission of teaching, research, and public service and its impact on the Commonwealth and legislators' district constituents.

- seek state support for all Penn State programs.

- encourage legislators to support policy initiatives and legislation which enhance Penn State's ability to carry out its mission.

During the past fall and early spring, more than 80 legislators visited Penn State campuses. They were joined by local community, business, and governmental leaders and had the opportunity to see demonstrations by faculty and students on how technology and telecommunications enhance the classroom and laboratory setting.

—At Penn State Hazleton, a biology instructor demonstrated a computerized program of experiments and procedures that has application for those with learning disorders.

—A music faculty member at Penn State Schuylkill used the computer to show how audio,

visual images and history could be brought together.

—At Penn State Great Valley, a faculty member showed how the Internet could be used to enhance classroom lectures in a timely and effective manner.

—At Penn State Erie, The Behrend College, several faculty members demonstrated interactive technology, including the Internet, the T-1 carrier, and high-end workstations.

—A Penn State Altoona faculty member gave a sample classroom presentation using the high-tech training he received as a participant in the Commonwealth Educational System's "Eagle" program, in which outstanding faculty members participate in training sessions introducing them to the capabilities of the latest technological developments.

"These presentations were effective," Ms. Caffrey said, "in demonstrating how technology can improve the teaching and learning environment."

"I believe they will help the legislators better understand the need for financial support for the new telecommunications line item. The presentations enable us to show what this means to the University and allows the legislators to see how we use these resources and how they make the learning enterprise better."

— Bill Campbell



Networking

Discussing the governor's budget proposal at a meeting of the Hazleton Campus Legislator Advocacy Network team are, from left, Virginia Rodino, campus student; Helen E. Caffrey, director of commonwealth relations; Jason Kamel and Michele Zagata, sophomore students at the campus, and Sandra Smith, lecturer in English.

Photo: Courtesy of Penn State Hazleton Campus

## Network springs into action to impact state budget

Penn State's Legislator Advocacy Network currently is facing a major challenge.

"We're working as quickly and as effectively as possible to have our teams visit their legislators regarding the governor's budget proposal and its impact on the University," Helen E. Caffrey, director of commonwealth relations, said.

"I am visiting the campuses and working with the team members, providing an update on the budget proposal and discussing strategies for illustrating its effect on programs and activities in regional areas."

Ms. Caffrey said the network members are making plans to visit—as a team—their local legislators.

"We have transmitted to the teams information on the budget and its impact on Penn State and are helping them develop strategies for private conversations with legislators," she noted.

In Gov. Tom Ridge's proposed budget, Penn

**"We want to articulate that this proposal represents a major change from the state's traditional balanced approach of funding private and public institutions to one that is shifting the balance more toward the private sector."**

Helen Caffrey  
director of commonwealth relations

State would receive an appropriation of \$269 million—more than \$23 million less than the University requested.

In addition to stressing the impact this would have on Penn State, Ms. Caffrey said, team members are being asked to express a concern over a philo-

sophical shift in the governor's budget proposal.

"We want to articulate that this proposal represents a major change from the state's traditional balanced approach of funding private and public institutions to one that is shifting the balance more toward the private sector."

"We need to make certain that the message is clear that it be given appropriately, and frequently, when necessary."

The schedule calls for teams to complete their visits with legislators during April. The Office of Commonwealth Relations will then coordinate the feedback information from the visits.

"We will share that information with the administration and the Office of Governmental Affairs," Ms. Caffrey said. "By bringing as much information as possible to bear, we will be in a position to develop any necessary follow-up strategy."

—B.C.



## News in Brief

### New technology test

In cooperation with IBM Corporation, the University Libraries will be testing wireless Local Area Network (LAN) technology in Pattee Library.

Thirteen wireless notebook computers providing access to the Libraries LAN will be available soon for use in most of East Pattee until the end of May. Users can access all databases and services available through LIAS and some titles on the CD-ROM network through these notebook computers. In addition, users can download specific records onto disk. Benefits to the user include accessibility to a variety of services and databases from one computer at a location of choice within the operating area.

Computers can be checked out by presenting Penn State faculty, staff, or student photo identification at any of the service desks in East Pattee. Users will receive brief instructions on use and a survey to complete upon return of the equipment. The survey will provide the Libraries with feedback on the usefulness and operation of the technology.

### Seminar Series

Career Development and Placement Services and the Center for Adult Learner Services are co-sponsoring a three-part "Women's Career and Life Planning Seminar Series" on Saturdays, April 29, May 6 and May 13.

The series, designed for women seeking educational and career information to deal with changing life circumstances, will help women learn more about themselves, their career interest and their options, as well as show them what the University has to offer.

Funded by CDFS, the center, Equal Opportunity Planning Committee and the Commission for Women, the seminars run from 9 a.m. - noon in 321 Beutler Building on the University Park Campus. Reservations are required and enrollment is limited to 30. The fee is \$20. For more information about the seminar, contact the Center for Adult Learner Services at 863-3887.

### Food drive

The College of Agricultural Sciences Alumni Society will sponsor a food drive from May 15-21 to support the Food Bank of the State College Area Interfaith Mission.

A drop-off box for the drive will be at the University Creamery during regular business hours throughout the week. Any non-perishable food items are accepted. The food bank is particularly in need of tuna, peanut butter, evaporated milk, packaged beans or rice and canned juices. Members of the society's board of directors will deliver the donations to the food bank.

The food drive is part of the Penn State Alumni Association National Service Week.

### Student Health Service receives high marks

University Health Services has been awarded the "Certificate of Accreditation" by the Accreditation Association for Ambulatory Health Care, Inc. (AAAH). The award marks the successful completion of an intensive on-site survey which evaluated every department and service provided by UHS to its 38,000 students. Preparation for the official survey began two years ago, when UHS started an intensive self-assessment process which measured its services against AAAHC nationally-set standards for ambulatory health care facilities.

Penn State's University Health Services is one of only 28 college health services to be accredited nationally by AAAHC and is the second to receive AAAHC accreditation in the state of Pennsylvania.

### Sigma Xi awards

The Penn State Chapter of Sigma Xi, The Scientific Research Society, has funds available for Travel Awards and Research Awards.

The mission of Sigma Xi is to honor scientific accomplishments; to encourage and enhance the worldwide appreciation and support of original investigation in science and technology; and to foster a creative and dynamic interaction among science, technology and society.

For information on the awards program or chapter membership, contact Pat Gong, 116 Lind and Water Research Building, 863-0159 or 237-0671.

## Interactive information kiosk debuts at Nittany Lion Inn

The Penn State Alumni Association's interactive, touch-screen, video and text information kiosk was installed at the Nittany Lion Inn earlier this month, just in time for a meeting of the Alumni Council and the influx of visitors coming to town for the annual Blue-White Football Game.

The computer-based system is housed in what looks like an 18th-century highboy dresser (to fit in with the decor of the Inn's Alumni Lobby). It will enable visitors and residents to find out what's happening on campus and in town, where to eat and shop, what the weather will be, where campus buildings are located, and how to get where they want to go. It also will include an "About Penn State" section, information on Alumni Association programs and benefits, and on-line directory information on Penn State faculty, administrators and staff.

"The Alumni Association thought it was time to move into the electronic age as far as information is concerned," said John Black, the association's director for communications and administration. "Our first step was to develop this interactive information kiosk."

The installation of the kiosk in the Inn is only the first of several planned. A second should be installed in the Hietzel Union Building in about a month, and a third at the Penn State Scanticon in another month. After that, other potential locations are also being considered, such as the Jordan Center and the Kern Graduate Building.

Within a year, Mr. Black says, the association hopes to have the information on the kiosk

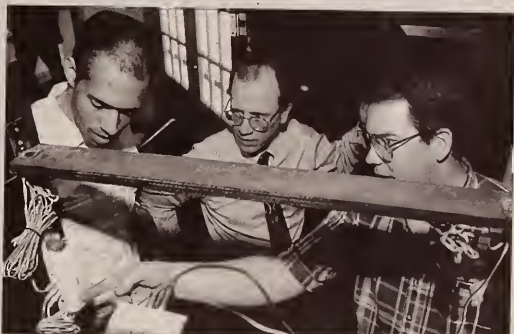
available through the Internet on the World Wide Web. "Once that happens, people will be able to do all the same kinds of information searching from the comfort of their own homes; they won't have to find a parking space, and they'll know beforehand whether or not to bring their umbrellas along."

Mr. Black said the kiosk project was spearheaded by Stephen Stegnes, chair of the Alumni Council's multimedia task force as well as a retired vice president at Eastman Kodak and president of an electronic imaging company called American Images. He persuaded Apple Computer to donate the three computers on which the system was developed and is running.

Also pushing the project was Ed Anchel, president of the Alumni Council and president and chairman of Sparkomatic Corp. in Milford. Contributing to the project were Altec-Lansing, which donated the kiosk's amplifier and speakers, and Mike Halm, Rob Faleo (now with Disney), Tim Summers and Tom Flach of the Center for Academic Computing, who developed the system. Spectra Wood of State College built the cabinet that houses the system.

The Alumni Association, 125 years old this year, is the country's biggest, with more than 129,000 members as of early April. For a four-year membership drive that started in 1991, it set a goal of reaching 125,000 members by the association's 125th anniversary in July 1995. It surpassed this goal in November 1994, eight months early.

— Alan Janesch



Ready to go

Taking a look at the installation of the new kiosk at the Inn are (l-r) Tim Summers, information systems assistant II, Mike Halm, senior research programmer with the Center for Academic Computing, and Stephen Rountree, the cabinet is oker from Spectra Wood.

Photo: Greg Grieco

## Obituaries

Joseph W. Laird, baker, Housing and Food Services; from Sept. 71, 1967, until his retirement Sept. 18, 1977; died March 16. He was 79.

Joseph J. Letteer, utilities equipment operator, Hershey Medical Center; from Sept. 1, 1967, until his retirement Aug. 14, 1983; died March 12 at the age of 81.

John A. Mulberger, residence hall worker, Housing and Food Services; from Aug. 1, 1952, until his retirement May 30, 1969; died March 20. He was 77.

George E. Norton Jr., superintendent of shops, Applied Research Lab; from April 1, 1951, until his retirement Sept. 1, 1978; died March 7 at the age of 76.

## Steam plant nearing retirement age Workhorse that powered University for 65 years

The power plant on University Park's west campus, since it first went on line in 1930 at the corner of College Avenue and Burrows Road, has been a real workhorse for Penn State.

Big, hard-working and powerful, but unusually unobtrusive and quiet, the plant has faithfully provided steam and electricity to virtually every building on campus, and to thousands of students, administrators, and faculty members — most of whom probably didn't even realize it was there — in good weather and bad, under increasingly stringent environmental regulations and sometimes in response to energy demands that were going through the roof.

"The West Campus Steam Plant was built in 1930," Lloyd A. Niemann, who has been involved with the plant for more than 27 years, said. "It replaced a steam plant that was located at the current site of the Hammond Building's Kunkle Lounge, and it has served the needs of the University extremely well." Currently, the plant provides heat to about 160 buildings that comprise more than 9.3 million square feet of floor space, and produces about 9 percent of the electricity used by the University.

Mr. Niemann, who retired in early April as manager of utilities systems engineering, recalls that as demands on the plant increased, "we changed the plant's equipment, and we always put in boilers that were the most efficient on the market. As emissions standards became tougher over the years, we upgraded the plant to meet the most stringent rules on the books."

It didn't matter whether the environmental regulations were state or federal, or even from a different local jurisdiction. For instance, Mr. Niemann said, in the late 1950s a mechanical dust collector was installed in the plant to comply with Allegheny County standards "because they were the most stringent standards in the state at the time."

Today, Mr. Niemann said, plant personnel continue to work hard to operate the plant in a safe and clean manner, and to be good neighbors to the community. In 1983-85, he said, about \$8 million was spent to install a new chimney and a baghouse that removes more than 96 percent of all "particulates" — dust — from chimney gases.

The plant's boilers are built to use coal, the same No. 2 heating oil used in private homes, and natural gas. The plant's primary fuel is soft coal — 60,000 tons a year, all of it mined in Pennsylvania, and most of it is delivered in off-peak traffic hours, so as not to disturb the community. (At 20 tons a truckload, it takes 3,000 tractor-trailers a year to deliver that much coal.)

Although the plant has been a workhorse, Mr. Niemann said, now it's nearly 65 years of age and getting to be more like the old gray mare that ain't what it used to be. The plant's five boilers are reaching the end of their 40-year life spans, and the energy demands of ongoing and planned construction on campus will take the plant up to its maximum capacity.

"We've stretched the plant to the limit," he said. "Over the years, we've



The 1931 photo shows the steam plant one year after it first went on line. Note the open area surrounding the facility in this view from College Avenue.

Photo: Courtesy of University Archives, Pattee Library

crammed a plant with a capacity of 450,000 pounds of steam an hour inside a building that originally had a capacity of 200,000 pounds of steam an hour." When it was built in 1930, the plant was generously proportioned and allowed room for capacity expansion through installation of larger, more efficient equipment. But now, all the available space has been used, and there's no room to add on to the plant. In 1931, the plant stood almost alone on West College Avenue, but now it's hemmed in on all sides by newer construction.

Mr. Niemann said the University's recent peak steam demand reached 444,000 pounds of steam per hour (pph), and that five new buildings are either under construction or design right now that will have a combined additional demand of nearly 50,000 pph.

Although the West Campus plant serves nearly every building on campus, it isn't the only steam-producing plant on campus. An East Campus auxiliary plant, completed in 1972 at a site off Porter Road and Hastings Road, also helps out. But the maximum output of the East Campus plant is only about 150,000 pph, and the firm working steam capacity of the two plants combined is considered to be 530,000 pph. ("Firm" capacity refers to a plant's ability to meet demand for steam without one of its boilers.)

Rob Cooper, the new manager of utilities systems engineering, said that while everything's working fine now, the numbers paint a sobering picture.

"The peak winter steam demand we experienced in 1994 was 444,000 pounds of steam an hour," he said. "Since then, we've connected buildings to the central steam distribution system that have combined steam demands of 23,000 pph. When you add to that the projected demands of the five new buildings, we're about 20,000 pph away from our firm

operating capacity."

The buildings now under construction or being designed, and their demands, are the Bryce Jordan Center (36,000 pph); the addition to the Classroom Building (1,650 pph); the Leonard Building (3,300 pph); the Engineering Building (3,500 pph); and the addition to Pattee Library (5,000 pph).

If future winters bring extremely low temperatures and associated high steam and electricity demands, plant personnel will be required to take steps such as reducing steam pressure, shutting off fans and other auxiliary systems, "cycling" energy by cutting off the supply for short periods, and by asking consumers to reduce energy consumption voluntarily. That last option was exercised successfully during the winter of 1993-94.

In addition to making sure it could handle current and short-term energy demands, the University has long recognized that existing facilities would have to be replaced and upgraded. As long ago as 1967, the University's utilities master plan acknowledged that new steam generating capacity would have to be provided by the year 2000.

Doug Donovan, director of utilities in the Office of Physical Plant, said the University has been exploring and is continuing to explore ways to meet long-term future energy demands. Recognizing that the approval process, design, siting and construction of energy-producing facilities is a long, involved process, the University will involve many segments of the community as planning moves ahead, Mr. Donovan said.

"We estimate that by the year 2000 we're going to have to make some major changes in the ways we produce and distribute energy," Mr. Donovan said.

— Alan Janesch

## COI CONTINUOUS QUALITY IMPROVEMENT

### Plan ahead for Quality Expo '96

Over 500 participants visited the Penn State Quality Expo on April 6 in the Nittany Lion Inn. The COI Center wishes to express a giant "thank you" to all the teams that exhibited at the Expo.

The Nittany Lion Inn Ballroom has already been reserved for the next Quality Expo on Thursday, April 11, 1996. Next year the entire ballroom will be available, so it's not too early to start planning your team's participation!

In order to give a flavor of the Expo to those of you who were not able to attend this year, and to pique your interest for next year, a description of a participating team's activities follows:

### FTCAP Project Design Team

One of the teams exhibiting at the Expo this year was the Freshman Testing, Counseling, and Advising Program (FTCAP) Project Design Team, a collaborative effort that involves staff members from both Undergraduate Education and Student Affairs, and students. A series of recommendations from the FTCAP Project Design Team was submitted, accepted, and each was implemented during the summer 1994 program:

1. Change the title of a segment of FTCAP from "Safety in the Social Scene" to "Survival in the Penn State Social Scene."
2. Continue the previously established student-to-student format; however, hire both female and male presenters for each session.
3. Modify the set of questions following administration of the "social barometer" to generate increased discussion.
4. Add content on alcohol education and availability of resource information to complement an existing focus on sexual assault and prevention.
5. Provide information to increase awareness of alternative social and co-curricular opportunities.
6. Create and distribute a flyer to promote the Student Volunteer Fair and the Student Involvement Fair.
7. Continue to evaluate program content in response to changing needs of and campus climate for students.

The FTCAP Project Design team leader is Charlene Harrison. Team members include Linda Clark, Patty Johnston, Stacey Supon, Forest Wortham and Jennifer Sully. For more information about FTCAP and the team call Judith Goetz at (814) 865-7576.



"The technology enables you to demonstrate concepts in a way that you can't do with a chalkboard."

# Demand for technology classrooms is growing

Several years ago, Terry Morrow wouldn't have worried about having a computer in his classroom.

Today, almost every lecture he gives is enhanced with computers, projectors and other pieces of multimedia equipment.

"The technology enables you to demonstrate concepts in a way that you can't do with a chalkboard," he said. "It brings excitement into the classroom and enhances the learning process."

"Since the technology is now here, I'm convinced that we as faculty members should take advantage of it. It not only changes how we teach, but what we are teaching. There is simply no alternative, in my opinion, but to make creative use of it."

Dr. Morrow, professor of agricultural and biological engineering, became interested in computer-assisted instruction and applied for a one-time appointment as a faculty fellow in the Center for Academic Computing.

Now, three years later, he continues in a half-time appointment as a faculty fellow at the center.

"My primary interest was to work on the development of technology-related classrooms. While continuing that interest, I've integrated the technology into my own teaching."

"The two courses I'm currently teaching deal with instrumentation and control in agriculture. In a technology-equipped classroom, I can effectively demonstrate models and procedures that describe the concept we are discussing."

"And it provides for student interaction through the sharing of data. We can extract data from a field provided by a student and share it with the rest of the class."

"At the same time, it forces me to be much more organized with my lectures. Incorporating the technology requires that you really plan ahead."

Interest in technology-assisted instruction by University faculty members is increasing dramatically.

According to Dr. Morrow, a survey just completed by the Center for Academic Computing indicated a growing interest in the use of computers and other technology in the classroom.

"The survey indicated that 35 percent of Penn State's faculty have used these methods in the classroom," he said.

Impetus for computer-assisted instruction at the University comes from the Technology Classroom Initiative, which was established in 1991 as part of the Strategic Plan for Academic Computing developed by the University-Wide Faculty Advisory Committee on Academic Computing.

"The goal of the initiative," Dr. Morrow said, "is to make computer-enhanced instructional technology



Terry Morrow

Photo: Greg Grieco

capabilities a stable and predictable part of the classroom environment. By almost any measure, the initiative has been very successful."

Currently, there are more than 45 centrally-funded technology classrooms within the University system. Faculty members at University Park have access to 16 permanently equipped technology classrooms—eight of them in the new Classroom Building—and 16 mobile technology carts.

At other University locations, faculty have access to at least seven permanently equipped general purpose classrooms and six technology carts. There are new technology carts at the Allentown and Berks campuses, and new permanent technology rooms at the Hazleton and New Kensington campuses.

"I honestly think Penn State is one of the leading institutions in making technology-equipped classrooms available to its faculty members," Dr. Morrow said. "We have in place an administration that is very supportive of doing this."

"However, it continues to be a real struggle to provide these kinds of facilities for the faculty members who want and need them. Some campus locations don't have any centrally-funded technology classrooms. The demand continues to exceed the support."

"Less than 10 percent of our general purpose classrooms have this type of capability. We have been able to provide an average of five new technology classrooms each

year over the last three years, but this is well below the strategic plan's goal of adding 20 technology classrooms annually."

Addition of these classrooms has spawned a growing number of projects developed by faculty members through Education Technology Services (formerly the Computer-Based Education Lab). Judith V. Boettcher, director of Education Technology Services (ETS) in the Center for Academic Computing, said that more than 40 projects, using new instructional software and tools, are described in a publication available by contacting the center at ETS@PSU.EDU.

Among the projects are:

- **Image Integration in the Arts**, created by Donald Kunze, associate professor of architecture and integrative arts and ETS. The digitized image library was developed for use in the classroom and studio for Arts 100, a multimedia course.

- **Locutus: A Set of Sites**

from Troy M. Thomas, associate professor of humanities and art at Penn State Harrisburg, and ETS. The software was developed for Western Tradition I, an interdisciplinary humanities course in Greek and Roman civilization.

- **Basic Meteorology**, created by Alistair B. Fraser, professor of meteorology. This lecture software was developed for Meteorology 3, Introduction to Meteorology, which covers fundamentals of modern meteorology.

The Commonwealth Educational System has established an "Eagles" program in which outstanding faculty members participate in training sessions introducing them to the capabilities of new classroom technology.

Earlier this month, a Teaching and Learning Technology Workshop featured 15 Penn State Eagles demonstrating their use of technology for teaching and learning.

"Through these kinds of efforts," Dr. Morrow added, "I would hope that we can make technology a stable part of every general purpose classroom."

"As faculty member, I'd like to be able to walk into a classroom and be able to use this technology to demonstrate a concept without having to schedule in advance or pre-plan the demonstration. I know that's a lofty goal, but it's one I hope we can reach."

—Bill Campbell

## Conference set for May 15-17 to feature new technologies

The issues and challenges of implementing computer and related technologies in the classroom will be examined in a three-day workshop at University Park next month.

Faculty, staff and administrators interested in using the new technologies are invited to take part in the session scheduled for May 15-17 at The Penn State Scanticon Conference Center Hotel.

The Transforming Classrooms Through Technology Conference will feature a strategic approach to the creation and use of multimedia teaching and learning environments.

The conference will focus on the essential components of a university infrastructure needed to create effective technology classrooms for the next century. Issues related to the analysis, design, and development of technology-based classrooms will be addressed.

Major sessions will include: The Promise and Potential of Technology Classrooms; Technology Classrooms at Penn State and Other Institutions; Technology Classroom Design; Vendor Exhibits and Presentations; Examples of Faculty Successes; Showcase of Faculty Projects; Classroom Technical Support.

The three presenters for the conference are C. Terry Morrow, professor of agricultural and biological engineering and faculty fellow in the Center for Academic Computing; Judith Boettcher, assistant director of the Center for Academic Computing, and Lawrence C. Ragan, director of instructional design and development in the Division of Continuing and Distance Education. They have played key roles in the classroom technology initiative, including the design and support of the classrooms, the collaboration with university-wide organizations, and the training of faculty and staff.

The conference is a continuing and distance education service of the College of Engineering and the College of Education. For information about registration, contact Debbie Noyes, conference planner, at (610) 663-5120, or E-mail, DAN46@OMNIBUS.CS.PSU.EDU.

The

# ARTS

AT PENN STATE

## Bach's Lunch

Megan Weaver and Melissa Wallner, undergraduate voice majors in the School of Music, will sing at the final Bach's Lunch concert of the spring semester at 12:10 p.m. today in the Helen Eakin Eisenhower Chapel on the University Park Campus.

Ms. Weaver will sing "The Beatitudes" by Maholte and "Villia" from "The Merry Widow" by Franz Lehár. Ms. Wallner will sing Mozart's "Porgi amor" from "The Marriage of Figaro" and "Ich folge dir gleichfalls" from Bach's "St. John Passion."

The concert is free to the public.

## African arts company

Pittsburgh's premiere authentic African arts company, UMOJA will perform at 8:15 p.m. Thursday, April 27, in the College of Arts and Architecture School of Music Recital Hall on the University Park Campus. The performance is part of a residency sponsored by the Arts in Education Program of Central Intermediate Unit 10 in collaboration with Penn State. UMOJA African Arts Company will perform traditional African dances and songs in a spirited celebration of Africa's ancient cultures. With colorful costumes, authentic masks and a bevy of percussion instruments from many parts of Africa, UMOJA will bring to the stage Africa's rich and diverse cultural traditions.

The company is comprised of African members who danced in their homelands and African Americans.

The performance is free to the public.

## Can Film Festival

The public screening for the 1995 Can Film Festival will be held at 7 p.m. Saturday, April 29, in Eisenhower Auditorium on the University Park Campus.

For more than 20 years the Can Film Festival has publicly displayed the best productions created and produced by University film and video students. It also has served to showcase the work of many individuals who have gone on to establish successful careers within the entertainment industry.

Tickets are on sale at the Schwab and Eisenhower ticket offices.

## Quilt display

Susanah V. Bear's exhibition of quilts is on display in Pattee Library's West Lobby Gallery at University

Park through April 30.

"I have sewn for as long as I can remember, but when a friend introduced me to quilting several years ago, I recognized a way to use my sewing skills to create art," she said. "My goal in making the tie quilt was to make something that people would look at and say, 'Wow, that's beautiful.' The purpose of the study in squares was more humble, to use squares to come up with original design and create the quilt to my best ability."

## Early Music Ensemble

The Penn State Early Music Ensemble will perform in concert at 3 p.m. Sunday, April 30, in Room 122 of the College of Arts and Architecture School of Music Building on the University Park Campus.

The group, under the direction of Eric McKee, consists of seven recorders, four viola da gambas and four crumhorns. Among the selections to be performed are dances by William Byrd, John Playford, Michael Praetorius, Anthony Holborn and Tielman Susato and transcriptions of vocal works by Orlando Willaert, Josquin des Prez and Adrian Gibbons. Also selected are two fantasias by Thomas Lupo and Bernardo Lupacchino.

The event is free to the public.

## Museum exhibit

The Palmer Museum of Art will offer a number of activities in conjunction with the exhibition "Dreamtime: Australian Aboriginal Art from the Collection of John W. Kluge," running through July 16, to enhance understanding of this unique art form.

Graduate assistant Debra Greenleaf will lecture on the Aboriginal paintings in the exhibition. Talks will be given at 1:30 p.m. Sunday, April 30, and at 11:30 a.m. Saturday, May 6. All gallery talks begin in the Christoffer's Lobby of the Palmer Museum on the University Park Campus.

Three films are being shown. "Australia's Art of the Dreamtime: Quicken Country" will be shown at 1 p.m. Sunday, May 7, and Friday, June 9. "Narnijin Maymaru: Narnijin at Djarrakpi" will be shown at 1 p.m. Friday, April 28, Saturday, May 21, and Friday, June 23. All films will be shown in the Palmer Lipson Auditorium.



It's in the Can

Senior David Newland puts the finishing touches on his contribution to the 1995 Can Film Festival to be held at 7 p.m. Saturday, April 29, in Eisenhower Auditorium on the University Park Campus. The festival displays the best productions created and produced by University film and video students. Tickets are on sale at the Schwab and Eisenhower ticket offices.

Photo: Greg Grieco

## Oil paintings

The HUB's Browning Gallery at University Park is featuring the oil paintings on canvas and wood of award-winning, contemporary artist Bill Stamos through May 14.

Mr. Stamos recently was selected as a Liquitex Emerging Artist of the Year in a worldwide competition which included artists from the U.S., Europe, South America and the Far East. His award-winning painting entitled YES will be displayed in the American Council of Arts exhibit in New York in February, 1996, and will become part of the Binney and Smith corporate art collection in Easton, PA.

The HUB's Browning Gallery is located on the first floor of the HUB building on the University Park Campus and is open whenever the HUB is open.

## Zoller exhibition

Recent work in ceramics by Marina Kuchinski and Fred Johnston, both MFA candidates in the School of Visual Arts, are on exhibit at Zoller Gallery on the University Park Campus through Friday, May 5.

Ms. Kuchinski's work deals primarily with sculptures and installations. Mr. Johnston's work focuses on functional pottery and the combination of these forms with food.

Zoller Gallery is located in the Visual Arts Building. The gallery is open 9 a.m. to 5 p.m. Monday through Friday, 11 a.m. to 4:30 p.m. Saturday, and noon to 4 p.m. Sunday.

## Penn State Press

An exhibit titled "The Penn State Press Book Collection" is on display through May 15 in the University Archives/Penn State Room, C107 Pattee Library, at University Park.

The exhibit showcases books that have been published by the Penn State Press over the past 37 years.

Most of the subject matter published by the Press includes science, history, math, arts and architecture, social sciences and humanities. The Press also publishes books outside

the academic spectrum such as sports and photography, and the journal department issues nine journals, seven of which are edited by Penn State faculty. In 1994, the Press published 79 new titles.

## Center for the Performing Arts

The Center for the Performing Arts has announced its 1995-96 season. Subscriptions for the center's six series are on sale now.

The season's 30 events include Broadway musicals, innovative chamber music, orchestral concerts, Latin jazz, children's programs, modern dance and more.



The center continues its emphasis on commissioning new work, community outreach and educational activities. Four works co-commissioned by the center, including two world premieres, will be featured this season.

Community outreach and educational activities include master classes, lectures, demonstrations, workshops and discussions. Each event provides enhancement for audience members and offers a chance to meet some of the noteworthy artists on the scene today. Phone (814) 863-0255, Monday through Saturday, 8:30 a.m. to 4:30 p.m., for more information about taking advantage of these activities.

For a free season brochure or subscription information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at (814) 863-0255.

## Odyssey on WPSU

Seong-Kim of Seoul University discusses the vast differences between national literatures, and the importance of creating a sense of equilibrium between them, on the



# DATELINE

## PENN STATE

Volume 3, Number 1

A special supplement from the Department of Public Information

April 1995

### IT WAS A VERY GOOD YEAR

Reputationally speaking, it's been a very good year for the University. In the annual *U.S. News & World Report* rankings last fall, Penn State was ranked as a "tier one" national university; a "runner-up" in the "best value" category; and the eighth "most efficient" national university in America. Last month, *U.S. News* ranked Penn State's graduate programs in chemistry, engineering, education, geology, sociology, and theatre arts all within the nation's top 25. And the University Scholars Program was judged one of the nine best such programs nationally by a new book, *Ivy League Programs at State School Prices*.

The work of Penn State faculty members in their disciplines is the basis for this fast rise in reputation, but their visibility in news and entertainment media plays an increasing role in that process as well. Such visibility is important not only for the reputation-building process (and for the resources that follow reputation), but also because it provides the opportunity for universities to demonstrate their purpose, value and utility to a society that is placing them under severe scrutiny.

This latest in a series of *Intercom* supplements provides a sampling of how Penn State's faculty — and the University itself — appeared in the national media over the academic year now concluding.

The Department of Public Information, in the Division of Development and University Relations, is the catalyst for marketing faculty expertise and research accomplishments to the national media. The department is always interested in suggestions and opportunities for news media visibility — electronic as well as print. Research findings and papers presented at academic conferences or published in journals and books, Congressional testimony, or demands for expert commentary in regard to breaking news — all of these provide marvelous opportunities for showcasing Penn State's intellectual talent. Writers from the department will be pleased to work with faculty at all Penn State locations to develop stories and story ideas to be marketed to media at the appropriate time.

Suggestions may be e-mailed, phoned (814-865-7517), or faxed (814-863-3428) to three principals in the Department of Public Information: Bill Mahon, director, [np3@psu.edu](mailto:np3@psu.edu); Vicki Fong, manager, Science, Engineering, and Research Communication Office, [vyf1@psu.edu](mailto:vyf1@psu.edu); or Christy Rambeau, manager, News Bureau, [cmr7@psu.edu](mailto:cmr7@psu.edu).

*Roger L. Williams*

Roger L. Williams ([rlw1@psu.edu](mailto:rlw1@psu.edu))  
Assistant Vice President  
and Executive Director  
of University Relations



Photo: Craig Grieco

### The Power of Radio

Commuter aircraft crashes and problems have been topics of interest over the last six months. Hubert "Skip" Smith, assistant professor of aerospace engineering, has been answering questions for such diverse newspapers as the *Pittsburgh Tribune Review* and the *Houston Post*. In this December photo, Smith, a pilot and expert in commuter aircraft and airport safety, fielded questions from callers on NPR's hour-long talk show, "Science Friday."



## HOT OFF THE PRESSES

THIS LISTING IS MERELY A SAMPLING OF THE NUMBER OF STORIES GENERATED FROM PENN STATE FACULTY RESEARCH AND SCHOLARLY ACTIVITY SINCE SEPTEMBER 1994.

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### Night-night

Insight on cultural differences in infant sleep hit home with moms and dads. Sara Harkness, an associate professor of human development and anthropology, and Charles Super, professor of human development and family studies, fielded questions about their study of infant sleep from parents, pediatricians, fellow researchers and reporters. The findings appeared in more than 75 newspapers, including *USA Today*, *Boston Globe* and *The Washington Post*; on TV, via CBS, NBC and CNN, and on radio, via CBS, Associated Press and the Canadian Broadcasting Corporation.



### Year-Round Placements

▲ Topics of interest to both professional and amateur athletes are highlighted monthly in the Penn State *Sports Medicine Newsletter*, a publication of the Center for Sports Medicine. Commentary from these articles often shows up in other publications. Some recent examples include:

—Penn State women's volleyball coach Russell

Rose quoted by *The Washington Post* on the social and exercise benefits of volleyball.

—The problem of eating disorders among many female athletes noted in a Knight-Ridder Newsweek brief that appeared in such papers as the *Arizona Republic*, *San Jose Mercury News*, *Charlotte Observer*, and *St. Paul Pioneer Press*. Penn State team physician Dr. Margot Putukian, who appeared

in the original newsletter article, was a source for a similar article in *Better Homes & Gardens* March issue.

—The Associated Press adapted newsletter information for articles on how athletes who are sidelined by injuries may be at risk for depression and on how difficult it is to accurately measure body fat percentages. The AP articles are made available to newspapers throughout Pennsylvania.

—Penn State sport psychologist David Yukelson, who often provides commentary for newsletter articles, was profiled by the *Harrisburg Patriot-News* in February. The article was also distributed by Newhouse News Service and picked up by the Newark *Sunday Star-Ledger*.

—Howard Knuttgen, director of the Center for Sports Medicine and editor-in-chief for the newsletter, was quoted in the *Orlando Sentinel* in December about the potential use of glycerol in sport drinks.

▲ Ornamental horticulture Professor Robert Nuss continues to write a weekly gardening column, which is distributed throughout Pennsylvania and surrounding states by the Associated Press. He often is interviewed on related issues by other media such as United Press International and the *Philadelphia Inquirer*.

▲ Rural sociologist James Van Horn also was wrapped up a 10th year as author of "Today's Family" columns for the Associated Press, reaching newspapers throughout Pennsylvania and in surrounding regions.

### September

▲ The computer, a source of carpal tunnel syndrome, is now being used to determine who will get the ailment. Andris Freivalds, associate professor of industrial engineering, and Scott Miller, graduate student, put together a computer model based on the dynamics of a wrist's tendons. The researchers showed the model can closely predict the incidence rate of carpal tunnel syndrome in workers, and can show which tasks increase the likelihood of damage and injury to the wrist or hand. The findings appeared in major newspapers nationwide, including the *Chicago Tribune*, *Los Angeles Times*, *The Wall Street Journal* and *The Washington Post*.

▲ Readers of the East and West Coast editions of *The Los Angeles Times* were treated to stories about two ARL technology transfer projects in Kathleen Weigner's "In Development" column. "Smog-in-a-box" focused on a new air pollution control system being developed by Lewis Watt, Robert Heinsohn

### Rural America feels the squeeze of a global economy

Globalization of the economy is putting a squeeze on the workforce of rural America and the problem is not being adequately addressed at the national level, says Amy Glasmeier, associate professor of geography and regional planning. In a Washington, D.C., press conference last September, Glasmeier and colleague Michael Conroy of the University of Texas at Austin presented a summary of the expected impacts of NAFTA and GATT on rural manufacturing. The experts' commentary appeared in such diverse publications as the *Webster Agricultural Letter*, the *Seattle Times* (from Gannett News Service), the *Harrisburg Patriot-News* (from State News Service), and the *China Daily*. It was also distributed by the Associated Press to a variety of Pennsylvania papers.



Amy Glasmeier



## HOT OFF THE PRESSES

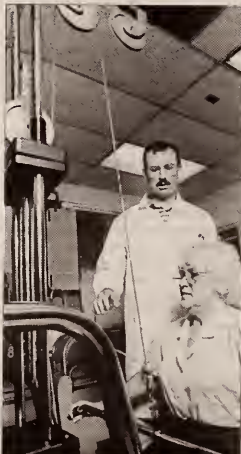
CONTINUED FROM PAGE 10

and Frederick Cannon. "From the Battlefield to the Nursery" spotlighted an ARL/Hershey team's efforts to use defense technology to help babies at respiratory risk.

▲ A study in Massachusetts shows that older Americans require 25 to 50 percent more protein in their diet than what's listed in current federal recommendations. The research was led by Wayne Campbell, formerly of the USDA Human Nutrition Research Center on Aging at Tufts University, and now part of the Noll Physiological Research Center. The project's senior researcher was William Evans, who now heads the Noll center. Their study appeared in the *Denver Post*, *Detroit Free Press*, *Houston*

### Exercise and the aging

For older adults, lifting weights boosts strength, upgrades the metabolism, and helps burn off calories. The findings came from a study led by Wayne Campbell, formerly of the USDA Human Nutrition Research Center on Aging at Tufts University, and now part of the Noll Physiological Research Center. The project's senior researcher was William Evans, who now heads the Noll center. Their study was featured in the *Denver Post*, *Miami Herald*, *Philadelphia Inquirer*, *The Washington Post*, and in *SELF* magazine.



Wayne Campbell helps a study participant.

*Chronicle*, *The New York Times*, and *Oregonian*.

▲ A Pennsylvania Transportation Institute project designed to explore the use of striped bus interiors to reduce falls by the elderly was cited in *The Wall Street Journal*, *The Pittsburgh Post-Gazette*, the *Detroit Free Press*, the *Older American's Report* and the *National Bus Trader*. The project was led by Brian Gilmore, associate professor of mechanical engineering.

### October

▲ Pennsylvania may be training more cosmetologists than it will have jobs available for in the future, according to an employment forecast by David Passmore, professor of vocational education. His commentary on the potential problem appeared in *The Pittsburgh Post-Gazette* and *Philadelphia Inquirer* in October. Passmore was also active discussing the outlook for manufacturing jobs statewide and his forecast for that sector was of interest to the *Pennsylvania Radio Network*, the *Seranton Times*, the *Philadelphia Business Journal*, the *Harrisburg Patriot-News*, *Executive Report* magazine, and *Pennsylvania Business Central*.

▲ In October, *The Wall Street Journal* reviewed *Big-Time Football at Harvard, 1905: The Diary of Coach Bill Reid*, which was edited by Ronald Smith, professor of exercise and sport science. The diary of the coach's first year in charge of the Harvard squad was found by Smith in the Harvard archives. In it, Reid frankly records the many challenges of the post and his ultimate disappointment over never beating Yale despite an otherwise highly successful three-season stint as coach.

▲ Too much agreement between managers at the home office and their counterparts in foreign subsidiaries might be backfiring on some multinational firms, says Michele Ann Govekar, assistant professor of management at Penn State Erie. Her study of the issue was noted in the *Philadelphia Inquirer* and on the Knight-Ridder Newswire.

▲ Giving subordinates a say in how and what punishments are meted out by supervisors for on-the-job misbehavior can lead to better corporate citizenship, suggest findings from a study by Linda Klebe Trevino, associate professor of organizational behavior, and colleagues Gail Ball at the University of Nevada at Las Vegas and Henry Sims Jr. at the

University of Maryland. The study was summarized in the October issue of *Small Business Reports*, a publication of the American Management Association.

▲ Starting in October, associate professor of geosciences Richard Alley's work in Greenland and with the Greenland Ice Coring Project was the subject of much newspaper coverage. Featured in the inaugural edition of the *Philadelphia Inquirer's* Science Page, the story covered the program in general and focused on what scientists were learning from it. Another story on the project appeared in *The New York Times*. Radio was interested in the project and both NPR and BBC Worldwide interviewed Alley. A paper presented at the recent American Association for the Advancement of Science

### Limited shelf life

Innovative alcoholic beverages such as Zima, clear beers, and fruit- and chocolate-flavored beers under development by various brewers do not always find a permanent place on store shelves after their initial novelty has worn off. However, even short-lived products of this sort can pay off for brewers by attracting many first-time young drinkers, says Marvin Goldberg, professor



of marketing. A recent case study touching on this issue was described by Goldberg with colleagues at the University of British Columbia in the *Journal of Public Policy and Marketing*. The article attracted the attention of *Adweek*, one of the most influential publications covering the advertising industry, and *The Wall Street Journal* and *Beer Marketer's Insight* magazine.

Conference on rapid climate change ran on United Press International and appeared in the *Atlanta Constitution/Journal*, *Portland Oregonian*, *Buffalo News*, *Science News* and the *Christian Science Monitor*.

Wanda Kapsner, one of Alley's graduate students, conducts research in snow accumulation in Greenland. Her work was featured in the *Dallas Morning News*.

### SHORT TAKES

"These children may have learned to withdraw ... because they didn't hear well. The pattern seemed to persist even after their hearing returned to normal."

Lyne Faagans, professor of human development, on her research into how ear infections may affect toddler behavior. Her research was the focus of national stories in media such as the *Medical Tribune*, *Knight-Ridder Newspapers*, *Los Angeles Times*, *Houston Post*, *Denver Post* and *Atlanta Constitution*.



## HOT OFF THE PRESSES

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▲ Food scientist **Manfred Kroger** commented on food issues in *USA Today*, *San Francisco Examiner* and *Wired Magazine*.

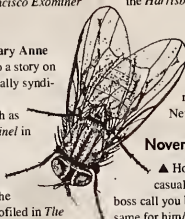
▲ Cooperative Extension Agent **Mary Anne Laeger-Hagemister** contributed to a story on children's slumber parties by nationally syndicated parenting columnist **Barbara Meltz**, appearing in newspapers such as the *Boston Globe* and *Orlando Sentinel* in **Fila**.

▲ **James Marden**, assistant professor of biology, and his work on the origins of insect flight have been profiled in *The New York Times*, *United Press International*, *Science News*, and other publications such as *Dallas Morning News*.

▲ **Michael Young**, assistant professor of politics and public affairs at Penn State Harrisburg, was quoted in stories on Pennsylvania political races by

*USA Today*, Associated Press, Reuters News Service, the *Harrisburg Patriot* and *Philadelphia Inquirer*.

▲ **Gary Cross**, professor of history, wrote an October opinion column on overtime and family values issues for *New York Newsday*. The column was redistributed by the Washington Post News Service to newspapers nationally.



### November

▲ How informal can the workplace get? Is casual dress right for your office? Does your boss call you by your first name and let you do the same for him/her? **David Morand**, assistant professor of management at Penn State Harrisburg, studied such topics and his commentary on the issues were of interest to a variety of publications late last year and early this year. Morand's work has been cited in *Training and Development* magazine, *Psychology Today*, *The Wall Street Journal*, *Management Review*, and in columns distributed by the Associated Press, Knight-Ridder, and Reuters newswires to such papers as the *Houston Post*, *Indianapolis Star*, *The Washington Post*, *Chicago Tribune*, *Toronto Star*, *Los Angeles Times*, and *San Jose Mercury News*.

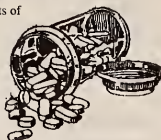
▲ A November press release on a new inspection device that could safely extend the life of aging aircraft generated a request for **Joseph L. Rose**, the device's inventor, to enter the *Discover* magazine 1995 Technological Innovation Award competition. Rose, Paul Morrow Professor of engineering science and mechanics, was named a finalist. As a result, he and his invention will be featured in the June issue of *Discover*. The device will also be on view in a special exhibit at DisneyWorld in the coming year.

▲ **James L.W. West III**, English professor and general editor of the Cambridge University Press's critical editions of Fitzgerald's novels, appeared Nov. 2, 1994, in a *Chronicle of Higher Education* photo and story about the Fitzgerald project. The story says West is "well known for his critical editions of several Theodore Dreiser novels" and notes that he wrote his dissertation and a book on *This Side of Paradise*.

▲ The effects of unwanted facilities such as incinerators on local housing prices and appreciation rates begin before construction of the facilities and last longer than previously expected, a new study by **Katherine McClain**, assistant professor of mineral economics, and a colleague from Northeastern University shows. Findings from the examination of how an incinerator in a Boston suburb affected area house prices were cited in *The Pittsburgh Post-*

### Closer look at sleep aids

The long-term effects of over-the-counter sleep aids could stand some additional scrutiny, according to **Janine Pillitteri**, doctoral student in the Biobehavioral Health Program. The Medical Tribune News Service carried Pillitteri's study, done in concert with **Lynn Kozlowski**, head of the Biobehavioral Health Program, and **Denise Person**, project associate in psychology. *The Detroit News* and *Free Press*, *The Washington Post* and *Chicago Sun-Times* featured Pillitteri's research.



*Gazette*, the *Chicago Tribune*, the *Atlanta Journal & Constitution*, the *Waste Recovery Report*, and *Environmental Research News*.

▲ One out of nine working-age Pennsylvanians is not covered by health insurance. This finding by **Gordon DeJong** and **Gretchen Cornwell** from the Population Research Institute in November was picked up by Associated Press and Knight-Ridder News Service and cited in *The Pittsburgh Post-Gazette* and *Philadelphia Inquirer*.

▲ Associate Professor of English **Robert Gannon** published two articles, one on motion sickness and one on archaeological work in the Titanic, in the national magazine, *Popular Science*. The motion sickness article featured the research of **Robert Stern**, distinguished professor of psychology, and **Kenneth Koch**, professor of medicine.

▲ A tip sheet on earthquake experts led the *Christian Science Monitor* to interview **Lou F. Geschwinder Jr.**, professor of architectural engineering, on earthquake-resistant architecture and the *Philadelphia Inquirer* to interview **Benjamin Howell**, professor emeritus of geosciences.

▲ The donation of the United Mine Workers archives to the University Libraries' Historical Collections and Labor Archives received attention in *The Wall Street Journal*, Associated Press and Pennsylvania newspapers.

### December

▲ Coupon inserts like those distributed in Sunday newspapers across the country can affect the buying



### Fostering good eating habits

A study of 77 preschoolers and their families shows that moms who impose strict mealtime rules are the most likely women to raise children with poor eating habits. The findings come from research at the University of Illinois by **Leann Birch**, now department head and professor of human development and family studies at Penn State, and **Susan Johnson**, a former postdoctoral researcher at Penn State. The findings appeared in major newspapers around the nation, including the *Chicago Tribune*, *Miami Herald*, *The New York Times* and *USA Today*. The researchers were also featured on a segment of the ABC-TV show 20/20.



## HOT OFF THE PRESSES

CONTINUED FROM PAGE 12

habits of even those consumers who don't use the coupons. This finding from a study by **Frank Mulhern**, assistant professor of marketing, with colleagues from Drexel University and The Ohio State University, led to several articles early this year. One article was distributed by the Associated Press to such newspapers as the *Allentown Morning Call* and New Jersey's *Burlington County Times*. The *Wall Street Journal* also described the research in its April 7 "People Patterns" column and the United Press International began to circulate a version of the story shortly after that.

▲ *Psychology Today*, in its November/December issue, ran a two-page spread highlighting the views of **Chester Woldford**, a business and English professor at Penn State Erie, The Behrend College. Woldford believes that business students should learn to be leaders by studying classic texts about great leaders. A similar story ran in *Training* magazine in October.

▲ *Popular Science* ran a story on the Envisioners, the Leonard Center's group of activist engineering undergraduates, in its December 1994 issue. *ASEE Prism*, the publication of the American Society for Engineering Education, also ran a full-page story in December 1994 on the Leonard Center and the Envisioners, and *Engineering Times* (published by the National Society of Professional Engineers) had run a similar story in October 1994.

▲ **Terry Melton**, a graduate student in anthropology, worked on the analysis of hair from the woman thought to be Princess Anastasia, heir to the Russian throne. This story was widely reported, appearing in *New York Newsday*, *Popular Science* and other newspapers across the country.

▲ *The Harrisburg Patriot* ran a story in December 1994 about the sailplane project of Penn State's ECSEL program — the Engineering Coalition of Schools for Excellence in Education and Leadership.

▲ **Erle Kauffman**, a visiting professor working with the Earth Systems Science Center, presented a paper in December warning mass extinctions are looming in our future. This story was covered by the *Chicago Tribune*, *Columbus Dispatch*, *Atlanta Journal*, *Christian Science Monitor* and other papers nationwide.

▲ **James Kasting's** comments on the way the world will end appeared across the country in many newspapers starting in December. This was the second time within a year that this story was reported — this time sparked by a comment in *The New York Times*. Kasting, professor of geosciences, was also cited in the *Toronto Sunday Star*, *Salt Lake Tribune* and the *Dallas Morning News* on the Earth's early atmosphere.

### Not the sensitive type?



Nutritionist Barbara Rolls (center) and students.

A relative insensitivity to the fat content of foods could be an important aspect in promoting and maintaining obesity. The finding comes from a study headed by **Barbara Rolls**, holder of the Helen A. Guthrie Chair in Nutrition. Rolls conducted the research while a professor at Johns Hopkins Medical School. The work by Rolls was featured in *The New York Times*, *Sunday Telegraph* of London and *VOGUE* magazine.

▲ Both the *Los Angeles Times* and *The Pittsburgh Post-Gazette* published stories about research on removing coatings and dirt with ice particles by **Gary Settles**, professor of mechanical engineering.

▲ **William Ellis**, associate professor of English at Penn State Hazleton Campus, and his work on urban myths were part of a BBC documentary and recognized by several British newspapers such as the *London Times*.

▲ **William Weaver Jr.**, head and professor of poultry science, offered tips on buying fresh poultry in a *New York Times* story during December.

▲ Geoscientist **Kevin Furlong's** work on earthquake faults in California's Bay area received much attention this fall from newspapers such as the *Son Francisco Examiner*, *Miami Herald*, *Associated Press* and *San Jose Mercury News* in California.

▲ **Richard Yahner**, professor of wildlife management, and the return of the last Pennsylvania mountain lion to Penn State was profiled nationally by the *Associated Press*.

▲ **Roger Downs**, geography professor, was interviewed for a story on teaching standards for geogra-

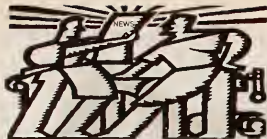
phy, which received national attention during December in media such as the *Chicago Tribune*, *The Washington Post*, *Denver Post*, *Christian Science Monitor*, *Houston Chronicle* and *Knight Ridder Newspapers*.

### January

▲ An essay on the experiences of gay men who "come out" in college, by **Rob Rhoads**, a research associate in the Center for the Study of Higher Education, was *The Chronicle of Higher Education's* back-page "Point of View" feature on Jan. 27. Rhoads is the author of *Coming Out in College: The Struggle for a Queer Identity*, Bergin & Garvey, 1994.

▲ Ice cream appeals to people year round. In January, **Arun Kilara**, a professor of food science, described how U.S. ice cream sales fluctuate with U.S. troop movements and how ice cream consumption rises where economies improve. His comments were carried by the *Associated Press* in newspapers nationwide, such as the *Indianapolis Star*, *Salt Lake City Tribune* and *St. Petersburg Times*, and were featured on the front page of *The Wall Street Journal*.

In another national *Associated Press* story, **Kilara**

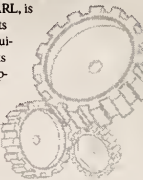


## HOT OFF THE PRESSES

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### Stop whining

Gerald Lauchle, professor of acoustics with a joint appointment at ARL, is leading several projects designed to produce quieter consumer products with technology, equipment and facilities originally developed at ARL for undersea warfare projects. The *Philadelphia Inquirer*, *The Pittsburgh Post-Gazette*, Knight-Ridder News Service and the Amazing Science Emporium radio show all cited his work on softening the whine of a vacuum cleaner.



also explained why low-fat margarine had a negative impact on baked goods. The story appeared coast to coast in newspapers such as the *San Jose Mercury*

*News in California* to *Tampa Tribune*, Fla.

▲ Sometimes an interview for a column can have wide-reaching results. Sharon Luck, associate director of the Women in the Science and Engineering Institute (WISE), was interviewed by workplace reporter Carol Kleiman of the *Chicago Tribune*, whose column is widely syndicated. Readers in places as distant as Denver, Oregon and Ft. Lauderdale were exposed to the issues of women in the sciences and engineering starting in January.

▲ A study on the interrelations of religious affiliation and hospital choice by Syed Saad Andaleeb, assistant professor of marketing at Penn State Erie, The Behrend College was profiled in the January issue of *Healthcare Marketing Report*. Whether or not the people Andaleeb surveyed were of the same religious background of a nearby religiously-affiliated hospital, they usually ranked such affiliations as practically the least important factor to consider when choosing a hospital. However, those with the same background were more likely to recall, prefer, and choose the religiously-affiliated hospital for actual care, regardless of its distance from their home.

▲ Penn State meteorologists and the weather communications group faced a mild winter with respect to weather news, but they continued to answer myriad questions for TV weather forecasters on the difference between sleet and freezing rain. Fred Gadomski, Paul Knight and Lee Grenci led the team, but graduate students also answered questions for stories in *The New York Times* as well as the *Baltimore Sun*, *Miami Herald*, *Dallas Morning News*, *Tampa Tribune* and *The Pittsburgh Post-Gazette*.

▲ "A Hot Solution for Pollution" is what *Newsweek* called the discovery by Jean-Marc Bollag, co-director of Penn State's Center for Bioremediation and Detoxification, and Jerzy Dec, research associate, that horseradish can clean up some industrial waste waters. The story also appeared in *BusinessWeek*, the *Philadelphia Inquirer*, *The Pittsburgh Post-Gazette*, *Chicago Tribune*, *San Francisco Examiner*, *Orlando Sentinel*, *Houston Post* and Knight-Ridder News Service.

▲ In anticipation of the 1996 Olympics, media such as *The New York Times*, *Christian Science Monitor* and *San Jose Mercury News* have interviewed John Lucas, professor of exercise and sports science, on Olympics topics.

▲ Donald Schneider, associate professor of astronomy and astrophysics, was part of a January story on quasars research, published by media such as Associated Press, *Los Angeles Times*, *Dallas Morning News* and *New Scientist* magazine.

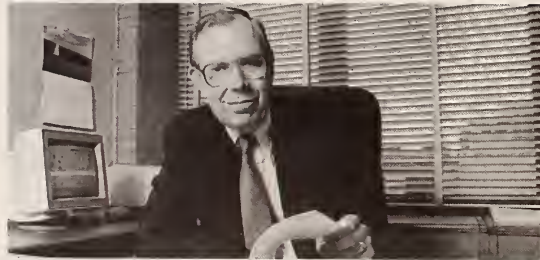
### February

▲ Talk of planets outside our solar system interests all sorts of reporters. Comments by Alex Wolszczan, professor of astronomy, at the annual meeting of the American Association for the Advancement of Science, appeared in newspapers as far away as Beijing, China. In the U.S., Wolszczan's remarks were featured in the *Atlanta Constitution*, *Arizona Republic*, *Buffalo News*, *Dallas Morning News*, *Houston Chronicle*, *Miami Herald* and *Newark Star Ledger*.

▲ Plastic containers with metal lids may be the most efficient way to process some foods in the microwave oven according to Ramaswamy C. Anantheswaran, assistant professor of food science, and graduate student Li Zen Liu. Their finding was carried on Reuters Business Report, in *The Pittsburgh Post-Gazette* and the food trade press.

▲ Moderate lunchtime drinking is not heart healthy.

### Family issues always popular



Starting in December, the Associated Press noted research by Alan Booth, professor of sociology and human development, indicating that combat veterans are more vulnerable to marriage problems in later life. The story also appeared in the *Philadelphia Inquirer*, *Fort Worth Star-Telegram*, *Tampa Tribune* and *St. Paul Pioneer Press*, as well as *Research Alert* and *Stars and Stripes* magazine.

The *Philadelphia Inquirer*, *The Pittsburgh Post-Gazette*, *Miami Herald* and *The Washington Post* all quoted another study by Booth that non-traditional families are just as likely to produce well-adjusted children as the traditional sitcom family of the 1950s.

In addition, Booth's intensive research concerning a variety of family issues — the "sandwich generation," stepfamilies and the long-term impact of divorce — has been cited in *The New York Times*, *Los Angeles Times*, *The Wall Street Journal*, *Long Beach Sunday Press-Telegram*, *Houston Chronicle* and *Charlotte Observer*.



## HOT OFF THE PRESSES

### CONTINUED FROM PAGE 14

Even moderate doses of alcohol consumed before work or physical exertion place stress on the cardiovascular system, according to Mary E. Nicholson, professor of health education and biobehavioral health, and her colleagues. The finding, which was carried by United Press International and the Knight-Ridder news services, appeared in the *Philadelphia Inquirer* and newspapers throughout the country.

▲ Pennsylvania continues to export its college-educated young people to other states, according to Gordon DeJong and Gretchen Cornwell from the Population Research Institute. This brain drain, with its serious economic implications, was cited by the Associated Press and the *Philadelphia Inquirer*.

▲ Jan Prybyla, professor of economics, was quoted by *USA Today* on Feb. 10 regarding the prospects of Jiang Zemin as Deng Xiaoping's successor in China.

▲ In a bylined story that ran Feb. 24, 1995, Tom DeLoughry of *The Chronicle of Higher Education* wrote about electronic information kiosks that are being used for various purposes on college campuses. The story also cites Penn State's OASIS system, a non-kiosk system that enables students to look at their records, class schedules, and so on, from PCs and Macs in computer labs, the HUB, dorm public areas, and sites at several Commonwealth Campuses. J. James Wager, Penn State registrar, was quoted in the story.

▲ Charles Yesalis, professor of health policy and administration and exercise and sports science, has been interviewed on the possible use of anabolic steroids by Chinese athletes in publications such as *Chicago Tribune*, *Business Week* and *Scientific American*.

▲ Jay Belsky, professor of human development and family studies, has been widely quoted in national stories on day care issues by media such as *The Wall Street Journal*, *Dow Jones News Wire*, *Newsday* and *Los Angeles Daily News*.

### March

▲ Carl Mitcham, director of the Science, Technology and Society program, contributed to an article on misuse of computers in finance. The Associated Press story appeared in *The Pittsburgh Post-Gazette*, the *Trenton Times*, *Indianapolis Star*, *Fort Worth Star Telegram* and the *Long Beach Press*.

▲ *How to Study*, a study guide recently updated by Diane Enerson, head of Penn State's Instructional Development Program, was ranked by *Rolling Stone* as one of the top three study guides in the country. The rankings were in a sidebar that accompanied a story in the March 23 issue on the ways students can get the most out of their study time.

▲ "Is the Death Penalty Fair To Blacks," in *Jet Magazine*, March 13, showcased the comments of Roy Austin, director of the administration of justice program. He concluded that the death penalty is a deterrent, but that it should not be used until it is shown that the death penalty is applied equitably across the racial line.

▲ Richard Wexler, assistant professor of communications at the Penn State Beaver Campus, published an opinion column on the concept of orphanages in *The New York Times* and was interviewed by the CBS news show, "60 Minutes." He also has been quoted on foster care and child welfare issues by *USA Today*, National Public Radio and Scripps Howard News wire.

### April

▲ *The New York Times Education Supplement* led off its April edition with an article on the Learning Center, an innovative program under the direction of John S. Lamancusa, associate professor of mechanical engineering.

▲ Wilson Moses, history professor, was featured in an April 9, 1995 *Philadelphia Inquirer Review & Opinion* page story "Discussions about race getting harder to decode." Moses feels there is too much emphasis on the word racist without really knowing what it means and what can be done about it.

▲ The Sunday *New York Times*, April 16, ran a piece called "War in Their Own Backyard," by Gary W. Gallagher, head of Penn State's history department and co-author and editor of *The Frederickburg Campaign: Decision on the Rappahannock*. The book, published recently by the University of North Carolina Press, reinterprets the bloody Frederickburg campaign and places it within a broader social and political context.

▲ *The Philadelphia Inquirer*, on the front page of its Metro section on April 18, ran a feature about projects at Penn State's graduate program in acoustics, ARL programs, and the Center for Acoustics and Vibration. The story focused on noise reduction projects in vacuum cleaners, water meters, personal computers and cars.

▲ Jack Rayman, director of career development and placement services at Penn State, was quoted in two recent stories in the *Philadelphia Inquirer*. One, in April, focused on efforts students can make to land jobs after graduation and included a sidebar on the Myers-Briggs personality tests; the other, on March 12, focused on the changing role of career centers in the 1990s.

♦♦♦

## DIRECTORY

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## NATIONAL TELEVISION PLACEMENTS

PENN STATE PEOPLE IN THE NEWS

### MOVING AT BREAK NECK SPEED

The national television marketing effort at Penn State continues in full swing with placements numbering 50 in 1994. The pace has been brisk this year, with 16 at the end of March.

▲ **Vicki Abt**, professor of sociology and American Studies at Ogonitz, has been extremely busy discussing her study of the effects that television talk shows have on their audiences. Last fall she was a guest on a two-part Oprah show where she was questioned at length about her research. She also discussed the topic on the "Today Show" and CNN.

The shooting of a man who was a guest on the Jenny Jones talk show led to another round of interviews for Abt, including one on the "Today Show" and America's Talking cable television network.

Last fall she was also interviewed by "NBC Nightly News" about victims and the addictive society.

▲ A comparison of sleeping patterns of American and Dutch babies was a popular topic for network television. Sara Harkness, associate professor of human development at University Park, was interviewed for a segment on "CBS This Morning" where she discussed the study. A few weeks prior to the formal interview the study was included in the morning newscast on "CBS This Morning" and also on CNN.

▲ A segment of Rescue 911 which was shot late last fall at the Hershey Medical Center was aired nationwide in February.

▲ **Jay Belzky**, professor of human development at family studies at University Park, continues to be a popular newscast guest. Last fall he was interviewed in the American Agenda

segment of ABC's "World News Tonight" about the day care situation in the United States. A few weeks ago he was a guest on ABC's "Good Morning America" where he discussed his recent book, *Transitions to Parenthood*.

▲ The Civil War ended a long time ago, but it is still a popular topic on the Arts & Entertainment network. **Gary Gallagher**, professor of history at University Park, was a guest last fall and late this winter, discussing Civil War generals.

▲ **Lynn Kozlowski**, chairman of biobehavioral health at University Park, was interviewed about low-tar cigarettes on CNN. He was also a guest on ABC's "World News

Tonight" where he discussed better testing for cigarettes.

▲ **Richard Kopley**, associate professor of English at Penn State DuBois Campus, discussed Edgar Allen Poe on the Arts & Entertainment Biographies program.

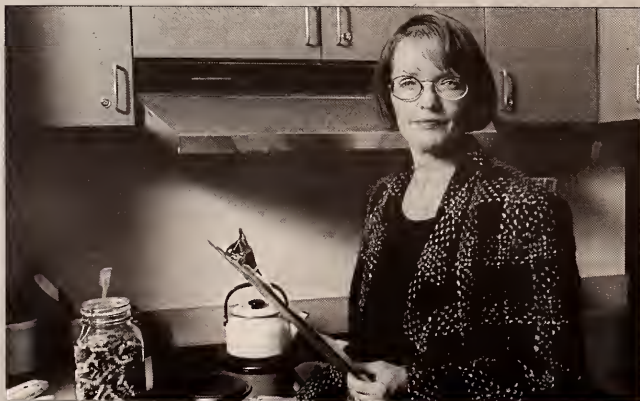
▲ **Shiriki Kumanyika**, professor of epidemiology at The Hershey Medical Center, was interviewed by "CBS This Morning" in a story that discussed obesity and African-American women.

▲ **Richard Wexler**, associate professor of communications at the Penn State Beaver Campus, was interviewed by "60 Minutes" about his views on orphanages and the proposal to reopen them nationwide.

▲ A CNBC financial reporter interviewed **Fariborz Ghadar**, holder of the Schreyer Chair in global management policies and planning in The Smeal College of Business Administration about the crash of the bank in London.

▲ **LeeAnn Birch**, head of the department of human development and family studies at University Park, was interviewed by ABC's "20/20" in a segment about overweight children and teenagers.

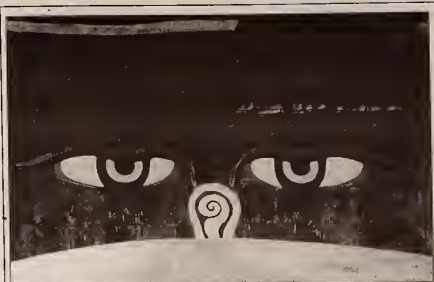
▲ Exercise is important for people of all ages, including the elderly. **William Evans**, director of the Noll Lab at University Park, told a reporter at "CBS This Morning."



Leann Birch and her research on overweight children were featured on ABC's "20/20."



## UNIVERSITY PARK CALENDAR



### Around the world

The works of photographer John Ivanko are on display in the Mater Building on the University Park Campus. His pictures are from around the globe, like this one from Nepal, India.

### SPECIAL EVENTS

**Thursday, April 27**  
Bach's Lunch, 12:10 p.m., Eisenhower Chapel. Megan Weaver and Melissa Walner, undergraduate voice majors.  
Agricultural Sciences, 7:30 p.m., 101 ASI Bldg. Roger Beachy on "Biotechnology to Develop Disease-Resistant Crops: National and International Implications." Also, April 28, 10 a.m., on "Pathogen Chemical Resistance: Using Capsid Proteins and Movement Proteins to Interrupt Virus Infections."  
■ School of Music, 8:15 p.m., Recital Hall. Umoja African Arts Company.  
**Friday, April 28**  
Classes End.

**Film, 1 p.m., Palmer Lipson Aud.** "Namtin Maymuru: Nantjin at Djarrak." Also at 2 p.m., "Images of Man."  
Geography's Collee Hour, 4 p.m., 319 Walker Bldg. Lawrence Brown on "How Migration Has Reshaped the Demographic Personality of the Ohio River Valley."

**Saturday, April 29**  
Central Pennsylvania Orchid Show, Ag Arena.  
Can Film Festival, 7 p.m., Eisenhower Auditorium. Display of the best productions created and produced by film and video students.

**Sunday, April 30**  
■ Gallery Talk, 1:30 p.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Australian Aboriginal Painting." School of Music, 3 p.m., 122 Music Bldg. The Penn State Early Music Ensemble.  
**Monday, May 1**  
Final Exams, through May 6.  
**Tuesday, May 2**  
Edgar A. Day Memorial Lecture in Food Science, 4 p.m., Frizzell Room. Eisenhower Chapel. Douglas L. Archer on "Why Food Microbiology is More Fun Than Ever."

**Saturday, May 6**  
■ Gallery Talk, 11:30 a.m., Christoffers Lobby, Palmer Museum. Debra Greenleaf on "Australian Aboriginal Painting."  
**Sunday, May 7**  
■ Film, 1 p.m., Palmer Lipson Aud. "Aus-

tra's Art of the Dreamtime: Quinkin County."

**Monday, May 8**  
Intercession begins.  
**Friday, May 12**  
Spring Commencement, through May 14.  
**Sunday, May 14**  
Mother's Day

### PUBLIC RADIO

WPSU-FM 91.5  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.  
Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Libri, The Radio Book Review," Thurs., 7 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McPartland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

### SEMINARS

**Thursday, April 27**  
Economics, 2:30 p.m., 420 Kern. George Deltas on "Small Sample Structural Econometric Analysis of Bidding for Contractors."  
Physics, 3:30 p.m., 101 Osmond Lab. Stephen Berry on "The Surprising Phase Behavior of Clusters."  
History, 4 p.m., 102 Weaver Bldg. James E. Cronin on "The Cold War as World Order: Its Rise and Demise."  
Industrial and Manufacturing Engineering, 4:30 p.m., 314 Hammond Bldg. Terry Harrison, speaker.  
**Friday, April 28**  
Carbon Research Center/Fuel Science, 9 a.m., C213 Coal Utilization Lab. I. C. Lewis on "Carbonization Chemistry."  
Agronomy, 3:35 p.m., 101 ASI. John Stittler on "Hydrology and Nutrient Export in a Small Northeastern Pennsylvania Watershed."  
**Monday, May 1**  
Biology, 4:30 p.m., 108 Althouse. Sean Car-

roll on "Homeotic Genes and the Development and Evolution of Body Plans and Body Parts."

**Wednesday, May 3**  
Biotechnology Institute, 4 p.m., 110 Wartik Lab. Barbara Zinskas, speaker.

**Thursday, May 4**  
Economics, 2:30 p.m., 420 Kern. Andrew Levin on "Inferences from Parametric and Non-Parametric Covariance Matrix Estimation Procedures."  
Computer Science and Engineering, 4 p.m., 302 Pond Lab. Alejandro Schafer on "Faster Genetic Linkage Analysis Computations."

Graduate Program in Nutrition, 4 p.m., 4 East H&H. David A. McCarron on "Calcium Metabolism and Cardiovascular Disease: From the Patient to Public Policy."

### CONFERENCES

**Tuesday, April 18**  
PA Barkers, 90 attendees, Nittany Lion Inn. Through April 19.  
**Monday, April 24**  
Better Process Control School, 70 attendees, Nittany Lion Inn. Through April 27.  
**Monday, May 8**  
1995 PA Rural Health Conference, Nittany Lion Inn. "Rural Pennsylvania's Building Health Communities. Through May 10.  
**Sunday, May 14**  
PA Utilities and Public Policy, 450 attendees, Nittany Lion Inn. Through May 17.

### EXHIBITS

**HUB Art Alley Panels and Cases:**  
Arts and Architecture Student Council Exhibit. Through May 4.  
**HUB Browsing Gallery:**  
The oil paintings on canvas and wood of contemporary artist Bill Stamos. Through May 14.

**Kern Flat Cases:**  
"Kyla Dambekals Jewelry." Through May 16.  
"Susan Hegan Installation Art." Through May 16.

**Kern Tall Cases:**  
Richard Schwartz "Ceramics." Through May 16.

**Palmer Museum:**  
"Gift to Celebrate the New Museum," through July 16.  
■ Dreamtime. Australian Aboriginal Art from the Collection of John W. Kluge, through July 16.

**Pattee Penn State Room:**  
"The Penn State Press Book Collection," through May 15.  
**Pattee West Lobby Gallery:**  
Susannah V. Beary's exhibition of quilts. Through April 30.

**Zoller Gallery:**  
MFA Thesis Exhibition. Through May 5.

■ Reflects an international perspective

### TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## Lecture

### Florida professor to give food science talk

Douglas L. Archer, professor and chair, Food Science and Nutrition Department, University of Florida, will present the E. A. Day Memorial Lecture in Food Science at 4 p.m. Monday, May 2, in the Frizzell Room, 122 E. Ekin Eisenhower Chapel at University Park.

Dr. Archer is a well known microbiologist who has served in administrative positions in the U.S. Food and Drug Administration where he also held the rank of assistant surgeon general. The title of his presentation is "Why Food Microbiology is More Fun Than Ever."

This lecture, begun as a series in 1973, is sponsored by the Department of Food Science and honors Edgar A. Day, former vice president of International Flavors and Fragrances, Inc. He received his M.S. and Ph.D. degrees from Penn State in 1955 and 1957. Prior to his death in 1973 he also taught and conducted flavor research at The University of Maryland and Oregon State University.

### A dozen faculty receive fellowships

The Institute for the Arts and Humanities Studies has awarded Faculty Research Fellowships, from July to December 1995, to the following faculty members:

Dan and Eleanor Armstrong, School of Music, to record 20th-century masterpieces for flute and percussion; Carol Costabile-Heming, German, to do research on German writer Günter Kuntz; Mark Fearnley, Theatre Arts, to do research on American theatre; Earl Fitz, Spanish/Italian/Portuguese and Comparative Literature, to do research on Brazilian writer Clarice Lispector (1920-1977); Ken Graves, School of Visual Arts, to produce a photographic study of ancient baths in Europe; Thomas Hale, French and Comparative Literature, to do research on griots and griottes of West Africa.

Philip Jenkins, History, to do research on the history of extreme Right-wing movements in Pennsylvania (1930-1950); Laura Knoppers, English, to do research in British statesman Oliver Cromwell; Jean Sanders, School of Visual Arts, to produce an edition of prints to be included in a portfolio of Wisconsin printmakers; Bruce Trinkle, School of Music, to videotape Santa Rosalia, *A Centata based on the Painting by Fernando Botero*; Matthew Wilson, Humanities Division, Penn State Harrisburg, to do research on the unpublished novels of Charles W. Chesnut.

## Commencement schedule

# University to graduate 7,302 during Spring Commencement

**T**he University will hold 1995 Spring Commencement ceremonies, beginning the weekend of May 12 for a total of 7,302 graduating students systemwide.

Of these, 839 will receive associate degrees, 5,341 will receive baccalaureate degrees and 1,122 students will receive graduate degrees, including 99 students who will graduate from the College of Medicine at The Hershey Medical Center on May 21.

For only the second time in its history, Penn State will award honorary degrees this spring. Paul Berg, Wilson Professor of biochemistry at Stanford University School of Medicine, director of the Beckman Center for Molecular and Genetic Medicine and 1980 winner of the Nobel Prize in chemistry, will receive an honorary degree of Doctor of Science during ceremonies for the Eberly College of Science. Edward O. Wilson, Baird Professor of science and curator of entomology at Harvard's Museum of Comparative Zoology, will receive an honorary Doctor of Humane Letters degree during ceremonies for the College of the Liberal Arts. (See related story on page 19).

This year, each college at University Park and most campuses across the state will hold individual ceremonies.

At the University Park Campus, 5,651 students will graduate. Of these, 35 will receive associate degrees and 4,693 will receive baccalaureate degrees. Receiving graduate degrees are 706 master's degree graduates with 217 doctoral degree graduates.

### ■ University Park

Ceremonies are scheduled as follows:

**Friday, May 12**

—3 p.m.: commencement ceremonies begin with the ROTC Commissioning at 3 p.m. in Schwab Auditorium, where U.S. Secretary of Defense William Perry will address the 48 ROTC cadets and midshipmen to be commissioned.

—4:30 p.m.: The University Scholars medals ceremony for about 260 graduating scholars will be held in Eisenhower Auditorium. Speaking will be Vice Provost and Dean for Undergraduate Education John Cahir, President Thomas and University Scholars Program Director James Rumbaut.

—8 p.m.: The Graduate School ceremonies will be held at 8 p.m. in Eisenhower Auditorium, where Secretary Perry will give the address. A Ph.D. alumnus in mathematics, Dr. Perry is known as the "father of stealth technology." He was appointed

ed defense secretary in 1994, when President Clinton also praised him for efforts to retrofit the Defense Department's weapons purchasing program. Before entering government service, he helped found a successful defense research and development company, Electronic Systems Laboratories.

**Saturday, May 13**

—9 a.m.: The Eberly College of Science in Recreation Building. Alan Schriesheim, director and chief executive officer of the Argonne National Laboratory, will give the address. A Ph.D. alumnus in chemistry, he joined the non-weapons national laboratory in 1983 after serving as director of corporate research and general manager of engineering technology at Exxon.

—10 a.m.: The College of Agricultural Sciences in Eisenhower Auditorium. Robert C. Baldwin, assistant dean for resident education in the College of Agricultural Sciences and associate professor of wood science and technology in the College of Forest Resources, Dr. Baldwin has been assistant dean since 1988 with administrative interests in curriculum development, writing-across-the-curriculum and undergraduate research. In wood sciences, his research interests include wood degradation and protection, and historic preservation.

—noon: The College of Health and Human Development in Recreation Building. —Ann Peterson, deputy director of the National Science Foundation and former dean of the College of Health and Human Development. Dr. Peterson was appointed by President Clinton last year as the first woman to serve in one of the two top management posts at NSF. For two years prior to that, she had been vice president for research and dean of the graduate school at the University of Minnesota. She has more than 20 years of experience as a scientist in psychology, adolescent development, and statistics.

—noon: The College of Arts and Architecture in Eisenhower Auditorium. Helen Manfull, professor of theatre arts and Fellow of the Institute for the Arts and Humanistic Studies.

—3 p.m.: The College of Engineering in Recreation Building. —Walter Robb, a management consultant, president of Vantage Management, Inc. and retired senior vice president for corporate research and development at General Electric Company. A Penn State alumnus in chemical engineering, he received the National Medal of Technology from President Clinton in 1993 for leadership of the Critical Technology Institute in Washington D.C. and the MR

imaging industry.

—3 p.m.: The School of Communications in Eisenhower Auditorium. Kim Rotzell, dean of the College of Communications, professor of advertising and research professor in the Institute of Communications Research at the University of Illinois at Urbana-Champaign. A B.A., M.A. and Ph.D. alumnus from Penn State, he is a faculty member in communications and advertising. Dr. Rotzell has written widely on advertising and has been honored as a Distinguished Advertising Educator by the American Advertising Federation.

—6:30 p.m.: The Smear College of Business Administration in Recreation Building. William Pagonis, executive vice president for logistics, Sears Merchandising Group. A 1964 alumnus in business logistic and a 1970 MBA graduate, he is a retired Lt. General in the U.S. Army and is known for his accomplishments as logistics coordinator for Desert Storm.

—7 p.m.: The College of Earth and Mineral Sciences in Eisenhower Auditorium. John A. Dutton, dean of the college.

**Sunday, May 14**

—1 p.m.: The College of the Liberal Arts in Recreation Building. —Edward O. Wilson, Baird Professor of Science and curator of entomology at Harvard's Museum of Comparative Zoology will give the address. Known as the founder of the field of sociobiology, he has made major contributions to the understanding of the distribution of species and the evolution of behavior. He won a Pulitzer Prize in 1979 for *On Human Nature* and in 1990 for *The Ants*.

—1 p.m.: The College of Education in Eisenhower Auditorium. —Sharon P. Yochim, assistant secretary of education for educational research and improvement at the U.S. Department of Education. Her office is the center for information about the progress and condition of American education and develops and supports educational research and public, academic and research libraries. She also has served as director of the National Center for Innovation and led the center's Teacher Education Initiative for the National Education Association.

### Other locations

■ The Hershey Medical Center —Howard Torman, M.D., health and medical correspondent for "CBS This Morning," May 21.

■ Penn State Harrisburg —Jane D. Coleman, president and general manager of WITF, May 13.

■ Penn State Erie, The Behnd College —James Kurre, associate pro-

fessor of economics, at noon May 13.  
■ Penn State Great Valley —Rotan Lee, senior executive vice president of RMS Technologies, at 7 p.m. May 19.

### Commonwealth Campuses:

■ Allentown —no commencement  
■ Altoona —Faculty/Staff awards ceremony at 10:30 a.m. and commencement ceremonies at 1 p.m. —William G. Engelbreit, associate professor of accounting, will speak on May 6.  
■ Beaver —James Monroe, director of Academic Affairs, at noon May 13.

■ Berks —State Rep. Sheila Miller, at 7:30 p.m. May 11.  
■ Delaware County —Joann B. Manning, superintendent of the Chester-Upland School District, at 7 p.m. May 11.

■ Dubois —Gary Alt, wildlife biologist for the Pennsylvania Game Commission and specialist on black bears, at 2 p.m. May 12.  
■ Fayette —Fred L. Lebder, chairperson Fayette County Commissioners, at 10:30 a.m. May 13.  
■ Hazleton —Arthur F.

McCormick, president of the Higher Education Council for the Campus Advisory Board, May 12.

■ McKeesport —U.S. Rep. Mike Doyle, 18th Congressional District, at 11 a.m. May 13.

■ Mont Alto —William Asbury, vice president for Student Services, at 10 a.m. May 13.

■ New Kensington —State Rep. Terry Van Horne, 54th district, at 7 p.m. May 11.

■ Ogoritz —Shirley Dennis, vice president of community relations, PECO Energy, at noon May 12.  
■ Schuylkill —Speaker BBA, at 7:30 p.m. May 11.

■ Shengano —William Reznor, special assistant to the commissioner of the Pennsylvania Department of Corrections, at 7:30 p.m. May 12.

■ Wilkes Barre —Gautam Ray, director of School of Science, Engineering and Technology at Penn State Harrisburg, at 10 a.m. May 13.

■ Worthington Scranton —Bonnie Ortiz, University affirmative action officer, at 7 p.m. May 12.  
■ York —Theodore E. Kiffer, interim provost and dean at Penn State Harrisburg and associate dean emeritus in the College of the Liberal Arts, at 4 p.m. May 11.



## First honorary degrees since 1955 to be given at commencement

A two-time Pulitzer Prize winner and a Nobel Prize recipient will receive honorary degrees at commencement ceremonies May 13 and 14 in Recreation Building at University Park. The degrees will be presented by President Thomas.

Paul Berg, a Penn State graduate and Nobel Prize-winning molecular biologist, will receive the honorary degree of doctor of science from the Eberly College of Science on May 13.

Edward Osborne Wilson, a Pulitzer Prize-winning biologist, educator and author, will receive the honorary degree of doctor of humane letters from the College of the Liberal Arts on May 14.

Dr. Berg, who received a B.S. degree from Penn State in 1948, is currently the Vivian K. and Robert W. Cahill Professor in Cancer Research at Stanford University School of Medicine and director of the Beckman Center for Molecular and Genetic Medicine.

He won the Nobel Prize in 1980 for developing a method to map the structure and function of DNA. In addition to the Nobel Prize, he has won the Eli Lilly Award in Biochemistry, the California Scientist of the Year Award, the Henry J. Kaiser Award for Excellence in Teaching, the V.D. Mattia Prize of the Roche Institute for Molecular Biology, and many national and international lectureships.

Dr. Berg's ties to Penn State have remained strong. In 1974 he was named a Penn State Distinguished



Paul Berg



Edward O. Wilson

Alumnus and in 1976 he served as an Alumni Fellow. He has delivered Penn State's Russell Marker Lecture in Genetic Engineering, the Paul Althouse Memorial lecture, and the 1978 Priestley Lecture.

He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the Institute of Medicine of the National Academy of Sciences, and past president of the American Society of Biological Chemists.

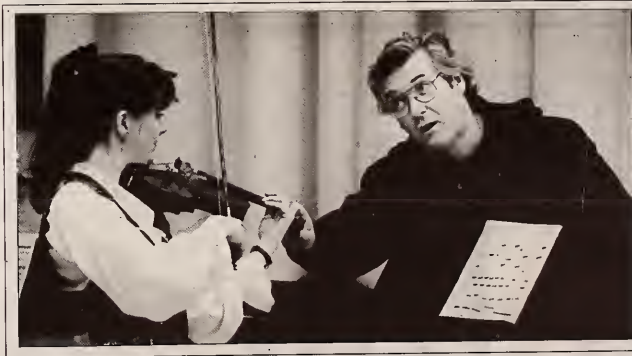
Dr. Wilson, who is currently Pellegrino Univer-

sity Professor at Harvard University and curator of entomology at Harvard's Museum of Comparative Zoology, has made major contributions to the understanding of the distribution of species and the evolution of behavior. He won a Pulitzer Prize in 1978 for his book, *On Human Nature*, which expanded his thinking on the biological basis of human understanding, and again in 1990 for *The Ants*, the most comprehensive treatise on the species since 1910.

Dr. Wilson is probably best known for his 1975 book, *Sociobiology*, which continues to this day to influence the study of human behavior. He has written or co-written a total of 13 books, as well as more than 300 articles in scientific and popular journals.

In addition to the two Pulitzer Prizes, his other awards include the National Medal of Science, the Crafoord Prize of the Royal Swedish Academy of Sciences, and the Distinguished Humanist Award of the American Humanist Society. He is a fellow of the American Academy of Arts and Sciences and the American Philosophical Society, and a member of the National Academy of Sciences and England's Royal Society.

Drs. Wilson and Berg will be the first to receive honorary degrees from Penn State since 1955, when then-President Dwight Eisenhower was given the honorary degree of doctor of laws.



A master at work

World-renowned violinist Pinchas Zukerman works with undergraduate music student Sarah Breckenridge and displays his talent (above) during a master class at University Park. His visit was sponsored by the School of Music and the Pennsylvania/Delaware String Teachers Association. Photos: Greg Grieco

## Class of 1995 so far pledges \$100,000 toward Foundry Park

Penn State's senior class of 1995 has so far pledged \$100,000 to help create a new area of green on the University Park Campus.

During voting in October, the class decided to build Foundry Park behind University House and Hammond Building. At the time, 68 percent of the seniors voting pledged a total of \$12,000 for the project. Since then, an additional \$88,000 in pledges has come in. Nearly 3,000 pledges have been received so far. More are expected in response to a fund-raising appeal sent out in early April by the senior class gift committee and the University's Office of Annual Giving.

**The project marks the first time on record that a senior class not only donates funds for a legacy gift, but also helps to design and build it.**

April Campbell, a senior and chair of the committee, said that the gift is intended to help preserve central campus.

"The Foundry Park will preserve the beauty of campus, the history of

Penn State, and the tradition of class gifts. Since we announced the gift, lots of people have told me that they're happy the park will be built. The rest of campus is so beautiful, it will be nice to have a more scenic view in this part of the central campus."

The future location of the park is a one-acre vacant lot, which some mistake for a stone-covered parking lot.

The project marks the first time on record that a senior class not only donates funds for a legacy gift, but also helps to design and build it. Two undergraduate classes have included the design and construction of the Foundry Park as part of a three-credit

curriculum. All funds raised will pay for the building materials.

Full landscaping, benches and lighting will be included. The park, which will mark where the old Foundry Building once stood, will surround a restored crucible once used there.

Contributions for last year's senior class gift—the extended hours room in Patton Library—totaled more than \$115,000. The class of 1993 contributed more than \$112,000 to the Urgent Care Unit at Ritenour Health Center.

# In the Big Ten, Penn State closer to gender equity in faculty salaries

Penn State and the University of Minnesota are the leaders in pay equity in the Big Ten, according to the American Association of University Professors' annual report on the economic status of the profession.

Although there is still a gap between what male and female colleagues earn, women at Penn State are closing the margin of difference between the sexes. The average difference between pay for male and female full professors in the Big Ten is \$8,000, according to the report. However, at Penn State the shortfall between what male and female professors earn is \$4,200, while at Minnesota, the difference is \$4,100 (see chart).

"This is an area we have been addressing and obviously an issue that every institution must face," President Joab Thomas said. "It's an issue we take very seriously. The strides we have made in the past few years and the fact that we are leading other institutions in this area demonstrate our deep commitment to the issue of gender equity."

Ingrid Blood, associate professor of communication disorders and chair of the Commission for Women, said the report supplied encouraging news for women.

"It is good news, although academe still needs to address gender equity in terms of the number of full professors who are women," she said. "There has been an increase at Penn State in the number of women in higher positions. But gender equity will be there when we don't applaud a \$4,000 difference."

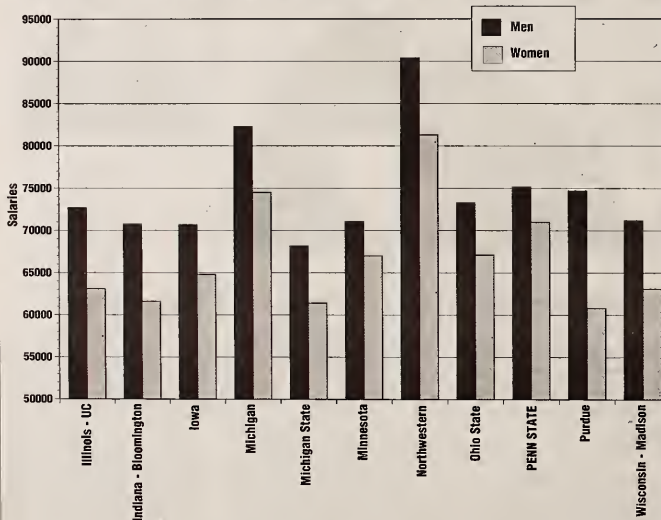
Released last week, the report compiles responses from more than 2,200 colleges and universities and looks at a variety of issues — among them pay equity at every level. At Penn State, the salary difference between men and women is smallest at the instructor level — an average of \$29,700 for men versus \$28,600 for women. Male assistant professors earn \$4,600 more than their female counterparts with an average salary of \$44,400. Male associate professors earn \$4,800 more than female associate professors with an average salary of \$53,600. (All figures are for University Park).

The study results do not take into account differences across disciplines. Historically, women have tended to select fields that pay less than the areas chosen by their male counterparts.

The AAUP report, which appears in the March/April issue of *Academe*, an AAUP publication, also makes comparisons about the representation of the sexes in academe. In academic year 1994-95, 44.7 percent of assistant professors were women. This ties in closely to 1993 data which shows that 44.8 percent of all workers in the U.S. between the ages of 25 and 34 were women. The study concludes that "at the junior level, academe today comes as close as possible to approximating the national representation of the sexes in its work force."

## How we stack up in the Big Ten

Comparison of full professor salaries by gender — 1994-95 academic year



Source: The Annual Report on the Economic Status of the Profession, American Association of University Professors

## PROMOTIONS

### Staff

Joanna C. Baldi, ticket manager II in Housing and Food Services.  
Amy B. Baltosser, staff assistant VI in Corporate Controller's Office.  
Priscilla L. Bemola, clinical head nurse at The Hershey Medical Center.

Francine A. Bosak, staff assistant VII in Corporate Controller's Office.  
Lesley L. Brandt, clinical nurse specialist at The Hershey Medical Center.

Susan A. Briel, clinical head nurse at The Hershey Medical Center.

Roni J. Brobeck, staff assistant V in College of Education.

Daniel L. Brooks, assistant manager of Audio-Visual Services in University Libraries.

Michael C. Burns, research programmer in Computer and Information Systems, Center for Academic Computing.

Ralph E. Coble, maintenance worker, Steam Traps, in Office of Physical Plant.

Susan K. Crawford, staff assistant VIII at The Hershey Medical Center.

Cyrrill A. Songer-Andrews, mechanical/electrical engineer III in Applied Research Lab.

Lucy C. Szklinski, coordinator, Research and Administrative Services, in Applied Research Lab.

Kimberly A. Zarizski, attending nurse at The Hershey Medical Center.

Lawrence E. Zemanek, senior computer specialist, Computer and Information Systems, in Office of Administrative Systems.

### Technical Service

James L. Ayers, group leader, Platemaker, in Business Services.

William B. Banat, boiler operator in Office of Physical Plant.

Kim J. Baney, maintenance worker general B in Nittany Lion Inn.

Leslie E. Carlson, animal caretaker A in College of Agricultural Sciences.

Richard L. Chronister, elevator technician in Office of Physical Plant.

Richard A. Faulkner, electronic technician, Computer Systems, in Office of Physical Plant.

Ronald G. Gathagan, stockroom/equipment technician in College of Engineering.

Charles R. Krepps, television and electronic technician in Office of Physical Plant.

Susan E. Leonard, anesthesia technician at The Hershey Medical Center.

Suzanne Rieger, anesthesia technician at The Hershey Medical Center.

Gerald W. Shirk, dairy products processor in College of Agricultural Sciences.

Dondi D. Smeltzer, refrigerator technician in Office of Physical Plant.

David A. Yearick, plumber-fitter in Office of Physical Plant.



## Faculty/Staff Alerts

### Your story is needed

The Penn State Child Care Advisory Committee is seeking to obtain information on how the University has succeeded in promoting responsible parenting and in what ways the University environment may increase the conflict of work and family responsibilities.

The committee is looking to collect "true stories" of situations or incidents from members of the University community that illustrate problems or successes regarding the relationship of work and family life. The committee is also collecting data by other means, but would like personal testimony to yield a more human picture of individual experiences. Information may range from a story of a sympathetic understanding supervisor who enabled a solution to a child care issue to tales of how policy or local attitudes made child care more difficult.

Anyone who would like to relay a personal story on their child care experience is asked to contact the committee at 865-0101 and leave their name and number. If callers wish to remain anonymous, the committee will also accept the information. The committee will not circulate or quote any information that can be individually identified.

### Telephone book updates

The Department of University Publications is beginning to update information for the general information and University department listings of the Penn State student and faculty/staff telephone books (pages 1 through 88).

Faculty and staff are asked to help make the updating as efficient as possible by photocopying the page(s) that pertain(s) to their areas, marking changes, and sending updates to the Department of University Publications, Directories, Suite A, University Support Building I, by June 6.

The department listings on pages 25 through 88 in the Faculty/Staff Directory are identical to those in the Student Directory. Please submit only one update of material.

If changes to your area are extensive, please type them on a separate sheet and attach it to the photocopy of your present listing.

Changes for individual listings (pages 89 through 188) in the Faculty/Staff Directory for full-time employees should be handled through your Human Resources representative. The IBIS function UADR (update address information) is the only method of correcting an employee's address and/or telephone information that will ensure that the information will appear correctly in the Faculty/Staff Directory. All

Human Resources representatives have been given access to the UADR function. Do not send corrections for individual listings to the Department of University Publications.

If you are a part-time employee who works in an area connected with Penn State, but are not on Penn State's payroll, or if you are a faculty member emeritus and want to be listed in the 1995-96 Faculty/Staff Directory, please submit a Department of University Publications Telephone Directory Information Form by June 6 to Publications at the above address. The Human Resources representative who works with your area can help you get a form. Please remember that you must submit a form each year if you want to be listed in the coming year's Faculty/Staff Directory.

If you have any questions, call Publications at 814-863-1870. If you have questions about your individual listing, call your Human Resources representative.

Please submit all information to Publications by June 6. If Publications does not receive the photocopy of your area's information by the deadline, it will be assumed that no changes are necessary for your area.

### HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, page 5 of the HRDC course catalog.

■ **Introduction To Lotus (Windows 4.0) (IBM 000)** Meets Thursday, May 18, 9 a.m. - 4 p.m. in 116 Wagner Building; cost: \$90.00.

■ **Use Of Process Control charts In Continuous Improvement (CQI 021)** Meets Monday, May 22, 9 a.m. - 4 p.m. in 319 Rider Building; cost: None.

■ **Word For Windows 6.0 Quick Start (IBM 018)** Meets Tuesday, May 23, 9 a.m. - 4 p.m. in 116 Wagner Building; cost: \$90.00.

■ **Using ISIS AID (Instructional Activity) (ADC 011)** Meets Thursday, May 25 (IBM), 8:30 a.m. - noon in 116 Wagner Building; cost: \$40.00.

■ **Customer Service For Front-Line Employees (CUS 003)** Meets Friday, May 26, 11:45 a.m. in 319 Rider Building; cost: \$35.00.

■ **Introduction To ARC/INFO (PRO 049)** Meets Wednesday, May 31, 9 a.m. - 4 p.m. in 123 Walker Building; cost: \$55.00.

## "I heard it on the Internet!"

## Professor is part of arts experiment

Learning about the arts is getting easier.

As a high-tech guide for arts neophytes, the Kennedy Center is experimenting on the information superhighway with a series of lectures given by a University professor.

The Washington, D.C.-based facility plans to broadcast on the Internet the six-part series "What to Listen for in Music: Classical and Romantic Periods" given by Michael Broyles, distinguished professor of music and professor of American history.

Beginning May 1, people can visit the World Wide Web site, "Internet Town Hall," where the lectures will be housed by typing in the address <http://townhall.org>. From there, Web visitors must find the "Radio on the Internet" location that is part of the listing. Full audio, including the music that is played during the lectures, and graphic stills will be transmitted.

A sound card in your computer is required to listen to the lectures.

"This is part of our adult education effort," Kim Motes, adult arts education director for the center, said. "Our mission is to help people learn more about the arts and we wanted to share our higher-quality programs on a larger scale."

"Michael Broyles' lecture series was so popular and has received such positive feedback from individuals who have taken it, that we selected it to be part of this prototype phase where we are breaking new ground," she said.

In addition to Dr. Broyles' lectures, the Kennedy Center is also experimenting with a jazz series featuring Billy Taylor.



Michael Broyles during his recent lecture series. His piano playing will be heard on the Internet.

Ms. Motes said, if successful, the pioneering effort should connect people with great performances and introduce thousands to the arts.

## PENNTAP has big impact on businesses

In 1994, clients of the Pennsylvania Technical Assistance Program reported nearly \$6 million in total economic impact as a result of PENNTAP assistance.

A partnership between Penn State, the State Department of Commerce, and the U.S. Economic Development Administration, PENNTAP has been a model for technical assistance programs across the nation and in other countries. PENNTAP helps Pennsylvania business and industry improve their competitiveness by providing free scientific and technological assistance and information.

During 1994, PENNTAP provided 700 cases of assistance to businesses across the state. More than 80 percent of those clients were from businesses with less than 100 employees. The program focuses on helping smaller businesses that normally do not have in-house expertise or time to resolve specific technical questions or problems.

In some instances, PENNTAP technical specialists rely on the expertise of Penn State faculty and staff. In other instances, technical specialists may use

their own technical expertise to answer client questions, or they may rely on a technical librarian in Pattee Library to locate the information.

To determine how well it's been serving its clients, PENNTAP sent a survey to anyone who received assistance during the year. The response rate to this year's survey was 71 percent.

"In 1994, our clients reported \$2 million in cost benefits, \$2.6 million in sales impact, and \$1.3 million in capital investments as a result of PENNTAP assistance," Jack Gido, PENNTAP director, said. "The survey also showed 84 percent improved competitiveness."

In terms of outreach, PENNTAP technical specialists made 500 visits with clients in 1994, including 225 visits to new clients.

"Regarding quality, 95 percent client satisfaction was reported by respondents to the survey," Mr. Gido said. "We also received more than 20 testimonial letters from clients thanking us for the assistance we provided."

## College of Education earns No. 1 ranking

According to an article in *Adult Education Quarterly*, the Adult Education Program in the College of Education has been ranked No. 1 among graduate programs in North America.

The findings, presented at the annual conference of the Commission of Professors of Adult Education, were based on numbers of publications by adult education program faculty and graduate students in the five most-highly rated adult education journals. Two hundred eighteen members of that organization were polled.

The top 10 adult education programs, as listed in the research, follow:

- Penn State
- University of British Columbia
- Syracuse University
- Northern Illinois University
- Rutgers
- Columbia
- University of Georgia
- Texas A & M
- University of Wisconsin-Madison
- University of Oklahoma

## Professional development school in the making for elementary level

In response to a proposal forwarded to the Pennsylvania Goals 2000 Commission, faculty in the Department of Curriculum and Instruction in the College of Education and a team of administrators and teachers from the Bellefonte and State College Area School Districts, will be establishing a professional development school at the elementary level in each district for fall 1995.

The overall and extended goal of the partnership is to create collaboration between the districts, Penn State, and other school and community groups from central Pennsylvania. The collaboration will capitalize on the collective expertise of the partners. The group will work on establishing professional development schools that engage practicing teachers, preservice teachers, university faculty, school administrators, and community members in problem framing and resolution. Achievement of standards by students, particularly as they are connected with Chapter 3 Learning Outcomes, Goals 2000 outcomes, and national curriculum standards, is another focus.

## Erie receives NSF money

The National Science Foundation has just given the Plastics Engineering Technology Program at Penn State Erie, The Behrend College, a highly-competitive \$76,000 grant to add a blow-molding machine to the arsenal.

The new equipment will enable students to analyze and implement another key component in the plastics manufacturing process in a hands-on manner. Students previously assessed blow-molding performance by touring local plants. In addition, the adding of blow-molding capabilities strengthens undergraduate research efforts.

The NSF grant is from the organization's Instrumentation and Laboratory Improvement branch.

## Shenango starts support alliance

The Penn State Shenango Campus and the Shenango Valley Urban League have announced the formation of an educational support alliance.

The Shenango Valley Urban League has revamped its education and employment department, while the Shenango Campus continues efforts to provide community outreach. Both organizations will work together in the area of community education.

"This alliance will allow both organizations to make the most effective use of its resources, while at the same time providing a quality service to the general public," Kathy Watson, director of student affairs at the Shenango Campus, said.

Through the alliance, the Urban League will have access to a number of Penn State resources, including career development and scholarship search software, continuing education courses, financial aid counseling, and computer support.

Keith Smith, minority affairs coordinator at the Shenango Campus and Urban League board director, was responsible for the development of the proposal.

## BOOK SHELF

James Beierlein, professor of agricultural economics and rural sociology, is a co-author of the second edition of *Principles of Agrilbusiness Management* by Waveland Press.

Co-authors Kenneth Schneeberger and Donald Osburn are from the University of Missouri. The book is designed to be used in introductory courses such as AGEC 200: Introduction to Agrilbusiness. The first edition has been widely used at a variety of schools, including Arizona State and Texas A&M.

Landowners now have an easy-to-read book to help them understand wetlands and the issues that surround them.

The 68-page book, *Wetlands and Wildlife*, was co-authored by Robert Brooks, associate professor of wildlife ecology, and offers simple terms and dozens of illustrations. *Wetlands and Wildlife* describes how to work with agencies that regulate wetlands. It includes phone numbers for state and federal agencies and a list of groups that offer technical or financial help for landowners who want to maintain their wetlands or build new ones. There are also suggestions for further reading.

Christopher Clausen, professor of English, is author of *My Life with President Kennedy* published by the University of Iowa Press.

This book of essays is an unusual collection of history, criticism and autobiography. The first essay is about John F. Kennedy; the second-to-last essay deals with the death of Dr. Clausen's brother, Peter, an expert on nuclear proliferation, who like President Kennedy died at the age of 46. In the essays in between, he addresses the topics as diverse as the similarities between Bill Clinton's emotional makeup and the content of supermarket tabloids; the connections (dissimilarities) between the past and the future; the legacies provided by memorable characters, and a variety of other subjects.

David H. Jonassen and Barbara L. Grabowski, professors of education, are the authors of the *Handbook of Individual Differences, Learning and Instruction*, published by Lawrence Erlbaum Associates. It won the James W. Brown Publication Award for the most significant contribution to the field in 1994 from the Association for Educational Communications and Technology.

Creating classroom environments that encourage all students to excel, no matter the differences in their learning styles, is a challenge that every educator must face. But even with today's computer technology, the authors note, asking teachers to allow for learning differences by adapting instruction to individual student needs can be daunting.

Depending on the traits and abilities of the particular student, these lenses and filters may leave him or her with positive, negative or neutral outcomes from instruction.

With this in mind, the Penn State experts wrote the handbook to address differential psychology in relation to learning and instruction, bringing together many aspects of the research in this field for the first time.

The authors hope that by collecting results from the fragmented literature on these matters in one volume, they can help teachers become more aware of methods for facilitating learning across a range of student differences. They also hope to stimulate further research in the classroom.

*New Voices in an Old Tradition* is the title and theme of the recently published annual edition of *Studies in American Jewish Literature*, edited by Daniel Walden, professor of American studies, English and comparative literature. It is the 13th edition of the annual.

Essays address issues of Jewish lesbian fiction, Jewish identity after a century of assimilation, feminism, and Americanization, among others.

Melanie Levinson and Andrew Furman, graduate students in English, are among the 12 contributors. Other contributors include Edith C. Weinthal of Drew University; Hildegard Hoeller of Rutgers University; Dan Vogel of Michigan-Jerusalem College; Timothy Parrish of the University of Mississippi; Amy Gottfried of Tufts University; Harriet L. Parnet of Lehigh University; Ludwig Brinker of Macomb College; Ruth Essex of Bar Sheva University; Sherry Lee Linkon of Youngstown State University, and Joseph Sherman, University of Witwatersrand.

Donald Willower, distinguished professor of education, is author of *Educational Administration: Inquiry, Values, Practice*, published by Technomic Publishing Company in Lancaster, Pa. and Basel, Switzerland. The book is an extension and revision of a monograph originally published by the National Council of Professors of Educational Administration, based on Dr. Willower's Walter J. Cocking Lecture, sponsored by that organization.

The work examines the recent intellectual history of educational administration, including the views of subjectivists and neo-Marxian critical theorists on inquiry and ethics. Rejecting these positions of positivist ones, Dr. Willower presents a naturalistic conception of science and values that stresses the fallible and human features of inquiry.

A new herb guide, *Herbs For the Home Gardener*, published by the College of Agricultural Sciences, describes 33 different herbs that can be grown with little fuss and a lot of enjoyment.

The 62-page guide features color photos of herbs, their history of their use, cultivation and care, growth habits, companion plantings, culinary uses and a list of recommended herbs for beginning gardeners.

Included are descriptions of the various uses for herbs, and a glossary of horticultural terms and a reference list for further reading.

The guide was developed by Michael Orzolek, professor of horticulture; Keppy Arnoldsen, graduate student, and Aimee Voisin, undergraduate student.



## Extending the Life of Aging Aircraft

*New inspection device, which can detect certain defects before the eye can see them, could add years to planes*



Joseph L. Rose, the Paul Morrow Professor in engineering, science and mechanics.

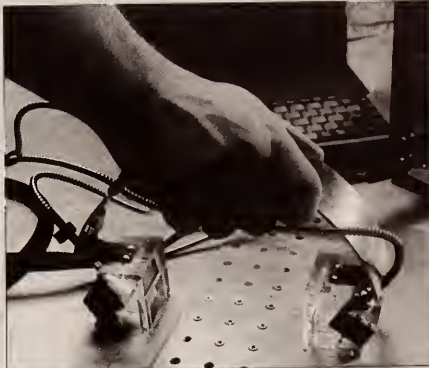
Photos: Jim Collins

University engineers have developed a new, hand-held, ultrasonic probe to detect cracking, corrosion and delamination that could cause an aging aircraft to come apart at the seams in flight as an Aloha Airlines Boeing 737 did in 1988.

Joseph L. Rose, the Paul Morrow Professor in engineering science and mechanics, led the team that developed the probe. He said the device, which can detect certain defects before the eye can see them, has better sensitivity to cracking and works 20 times faster than current methods.

The Penn State device, which was developed with support from the Federal Aviation Administration (FAA), consists of two units, one at each end of a 12-inch double spring loaded handle. One unit sends sound waves into the plane's skin at special angles and frequencies while the other receives the waves — a pitch-catch approach. The spring loaded handle allows the two units to more effectively contact the curved surface of the plane's fuselage.

Dr. Rose explained that the panels, which form the skin of an aircraft, overlap in long seams, called lap splices — like the shingles on a roof — and are held together by adhesives and rivets. If there is good adhesion between the plates, the sound waves transfer efficiently from one plate to the other and they can be detected by



Dr. Rose's hand-held device that tests the integrity of airplanes and could extend the life of an aircraft, as well as save lives.

the receiver unit. If the adhesion is poor, as the result of corrosion, delamination or other damage, the sound waves do not transfer.

Existing ultrasound inspection devices both send and receive in the same unit. The result is a "spot check" rather than the continuous, wide-area check that can be achieved

by sweeping the Penn State device across the full joint of a fuselage seam.

Besides fuselage seams at lap splices, the device can also be used to inspect repairs and to check tear straps, the sheets of waffle-pattern metal riveted and/or bonded to the underside of skin panels to keep



**When run over the seams of a plane, the device — using sound waves, has better sensitivity to cracking and works 20 times faster than current methods.**

fatigue cracks from unzipping under stress during flight. Only slight variations in software and protocol are necessary to adapt the probe for use on these structures.

In addition, the Penn State device uses guided Lamb-type waves which consist of both longitudinal and transverse waves. Dr. Rose and his research group have shown that transverse waves show a much greater sensitivity to the quality of the adhesive bond than do longitudinal waves, which are used in current inspection tools.

Dr. Rose noted that the FAA ordered stringent new inspection guidelines after the Aloha Airlines accident in which one-third of the upper fuselage of the 19-year-old 737 tore away during flight.

"This probe could extend the life of planes because you would indeed have increased confidence that the aircraft skin would not fail after inspection with this device," he said.

"If an airplane were 19 years old, the engine and control maintenance were up to date and I checked it first with this device, I'd be happy to fly on that plane."

The probe has been described in a series of publications including *Ultrasonic Guided Waves for NDE of Adhesively Bonded Joints in Aging Aircraft*, Proceedings of Adhesion Society Meeting, Feb. 20-24, 1994, and "Lamb Waves for Aircraft Bond Inspection," *Italian Journal of Non Destructive Testing*, now in press.

## Letter to the editor

My daughter, Melissa, will be an entering freshman at University Park this fall.

Usually people only complain when they get poor service and rarely say anything about good service, so I wanted to communicate with you and share some positive feedback. During the past several months I have had the opportunity to make contact with various departments and I wanted you to know how impressed I am with the level and quality of customer service offered in every instance. In situations where the individual I was speaking with did not have the information, s/he went out of her/his way to find the information or person who had the information needed and returned calls as promised. Every time they were pleasant, knowledgeable, and professional.

I teach customer service workshops to many organizations and am currently instructing the customer service program to the staff and on occasion, faculty, of one of our local colleges. Every time I make this presentation I share an example of what I have experienced with Penn State.

I only wish that all organizations followed the same principles of customer service that Penn State does. I'm confident that my daughter will continue to experience this high level of performance during stay at University Park. Congratulations.

Stencily,  
Stewart R. Segall  
PhD/RODP/CMC

### PENN STATERS

Carol Anne Costabile-Heming, assistant professor of German, has received a grant from the Deutscher Akademischer Austauschdienst (German Academic Exchange Service) to conduct two months of research in Germany for the project "REZENSUR: A Case Study of the Reception and Censorship of Günter Kurnert's Poetry during the 1970s."

Anibal Gonzalez-Perez, Sparks Professor of Spanish, gave the lecture "Recortes de prensa: periodismo y ética de la escritura en Julio Cortázar" at the Facultad de Humanidades of the University of Puerto Rico. He also presented the paper "Manuel Gutiérrez Najera: la escritura como caricia" at the conference "Manuel Gutiérrez Najera y la cultura de su tiempo" in the National Autonomous University (UNAM) in Mexico City.

Chen-Pei D. Tu, professor of biochemistry and molecular biology, has been chosen to serve a three-year term as a member of the Molecular Biology Study Section, Division of Research Grants, at the National Institutes of Health. Members are selected on the basis of their demonstrated competence and achievements in their scientific disciplines as evidenced by the quality of their research accomplishments, publications in scientific journals, and other significant scientific activities, achievements and honors.



On the scene

Firefighters from the Alpha Fire Company responded recently to a blaze in the Steidle Building on the University Park Campus. Fire broke out in a tune hood, a small, enclosed area used for chemical experiments, in a laboratory room. The fire, which was quickly extinguished, was contained to the room and no one was injured. Steidle Building is home of the College of Earth and Mineral Sciences.

Photo: Greg Grieco

## Arts

continued from page 8

next episode of *Odyssey Through Literature*, "The Universal Serpent."

"Freud says the serpent or snake is a phallic symbol, but in Japan and Korea it is simply not the case," says Professor Kim. "We rather think of the snake as very much a feminine symbol. The interpretation of certain metaphors could be drastically different."

In discussion with host Leonard Rubinstein, Kim illustrates the benefits of appreciating the universality of national literatures.

*Odyssey Through Literature* is produced at WP5X-TV as a continuing education service of Department of Comparative Literature. It airs Wednesdays at 7 p.m. on WP5U, 91.5 FM.

### "Our Common Earth"

A photographic exhibit, "Our Common Earth," featuring

the works of John Ivanko, a graduate student in leisure studies, is on display in the Mateer Building on the University Park Campus.

After walking out the door of a prominent Chicago advertising agency, Mr. Ivanko embarked on his "quest for understanding" which took him around the world and allowed him to capture images from more than 30 countries on six continents in the last three years.

"A time is fast approaching where my images of our planet and peoples will soon document what was, and not what is," he said of his works that center on responsible stewardship or the Earth.

His 12-print exhibit can be seen in the Atrium of the Mateer Building during regular business hours, Monday through Friday.

## PENNSTATE INTERCOM

Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
Address correction requested

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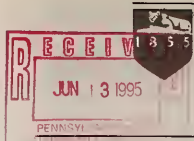
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Lisa M. Rosellini, editor  
Kathy Norris, staff assistant/calendar

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May 11, 1995

# INTERCOM

Volume 24, Number 30



**A room with a view**

Students from a horticulture class taught by Perry Morgan, assistant professor of landscape contracting, created viewing space in front of Coaly's Cafe on the University Park Campus. The project, planned by the students, involved planting flowers, flowering shrubs and trees, and creating a stone wall. This is the third project Mr. Morgan's students have undertaken to create green space on campus.

Photo: Greg Gieco

## President-elect Spanier quickly learning the ropes

Gone from Penn State for 13 years, University President-elect Graham Spanier has some catching up to do. Despite the fact that Penn State's 16th president spent nine years here from 1973 to 1982—first as a faculty member, then as an administrator—by his own admission, much has changed.

"The University has grown in many ways, but from all that I've seen so far, I can say that Penn State is in sound condition. There is a tremendous momentum here and a solid foundation," Dr. Spanier said. "For an incoming president, this is an ideal situation to inherit."

In a recent four-day whirlwind tour and refresher course of the University Park Campus and his first visit since his appointment by the Board of Trustees in March, Dr. Spanier displayed the humor, openness and enthusiasm that are his trademarks.

His full schedule—packed tightly with meetings with faculty, students,

## Minority admissions increasing

The number of African-Americans who have accepted offers of freshmen admission to Penn State for 1995-96 is up 42 percent, while the number of Hispanic-Americans doing likewise is up 22 percent.

"We're looking forward to the University's biggest entering class ever of students from underrepresented racial and ethnic minorities," said Edwin Escalet, director of minority admissions and community affairs.

As of May 1, acceptances from all minority groups combined are up 12 percent over last year, from 929 to 1,041, Mr. Escalet added.

The 42 percent increase among African-American acceptances translates to 327 prospective freshmen, as opposed to 230 at the same point last year.

Among Hispanic-Americans, the 22 percent increase corresponds to 231 prospective freshmen, up from 205 last year.

Mr. Escalet said he feels confident those trends will hold over the summer, but added that the numbers and percentages could change somewhat. Some students who have accepted offers of admis-

sion will not show up, while others will be accepting offers in the weeks to come.

The increase, he said, is most pronounced among the African-American community in Philadelphia. "We've used a new team approach to go proactively into the neighborhoods and into 50 target schools — where applications to Penn State have doubled and tripled this year."

"Our team is more than representatives from Minority Admissions. It also includes people from the Ogontz and Delaware County campuses," Mr. Escalet added. "We're seeing increased interest from minority communities because Penn State can offer anything and everything they want — big campus, small campus, close-to-home, away-from-home, a University Scholars Program or an Educational Opportunity Program to help build skills."

For the 1994-95 academic year now concluding, the University's enrollments of minority students from freshmen through doctoral levels reached an all-time high of 6,086 — or 8.8 percent of the student body.

## Statistics professor earns place in National Academy of Sciences

Calyampudi Radhakrishna Rao, professor of statistics, holder of the Eberly Family Chair in statistics, and director of the Center for Multivariate Analysis, has been elected to the National Academy of Sciences.

A pioneer in the fields of statistics and probability, Dr. Rao was elected by the academy in recognition of his significant contributions to science.

In every standard introductory course in mathematical statistics, students learn about the Cramer-Rao Inequality and the Rao-Blackwell Theorem—fundamental tools that help statisticians evaluate appropriate statistical methods.

Some of the other results of his work that bear his name include his Second Order Efficiency (estimation theory in small samples), Rao's Distance Function (differential geometric techniques for problems of statistical inference), Rao's Quadratic Entropy (multivariate analysis), Rao's Score Statistic (asymptotic tests of hypotheses), and the Hamming-Rao Bound (combinatorial arrangements called orthogonal arrays).

Dr. Rao is the author of 12 books on statistics, several of which have been translated into the world's major languages, and more than 250 published papers.

He earned a master's degree in mathematics in 1940 at Andhra University in India, a master's degree in statistics in 1943 at Calcutta University in India, a Ph.D. degree in statistics in 1948 at Cambridge University, and a Sc.D. degree in statistics in 1965 at Cambridge University. He holds 17 honorary degrees from universities in Canada, Finland, Greece, India, Peru, the Philippines, Poland, the Russian Federation, Slovakia, Spain, Switzerland and the United States.

Dr. Rao came to the United States in 1978 after serving as director of the Indian Statistical Institute where he held various research and administrative positions since 1944. In 1982 he established the Center for Multivariate Analysis at the University of Pittsburgh, where he continues as adjunct professor. He accepted the Eberly Family Chair in statistics



C.R. Rao

DIVERSITY

# Hershey medical students learning importance of diversity training

A doctor may have to consider culture, age, gender, economic background and disability, among other characteristics, in treating a patient. Yet in many cases, medicine has had trouble dealing with these aspects of diversity.

At the College of Medicine at The Hershey Medical Center, a unique program is being developed to teach medical students how to make medical care appropriate to all kinds of patients. The project, led by David J. Hufford, acting chair and professor of humanities and family and community medicine, will produce a model curriculum for medical schools across the country.

According to Dr. Hufford, director of the Doctors Kienle Center for Humanistic Medicine, the Penn State project hopes to set new standards for diversity training.

Dr. Hufford said at times, medicine has fallen short in treating diversity issues. A lack of women and children in medical research raises questions about current medical knowledge for treating these groups. Recent studies show that medical care received by whites and non-whites in the United States is not equal, even when financial factors are considered. Yet a study published last year in the journal *Academic Medicine* indicated that only 13 of 98 schools that responded said they offered cultural sensitivity courses.

Dr. Hufford said that unlike most teaching on diversity, the new cur-

**"Every patient has not only a cultural and an ethnic background, but also a gender, an age, an economic status and so on. When each factor is considered separately, the result is stereotyping."**

Dr. David J. Hufford  
acting chair and professor of humanities and family and community medicine.

riculum does not segregate the topic from the rest of medical training. Rather, it integrates cases illustrating the clinical importance of diversity and instruction on how to treat such cases appropriately, into required medical courses in all four years of medical school. An understanding of human diversity is assumed necessary for good medical care, he said, just like an understanding of anatomy or biochemistry.

"Every patient has not only a cultural and an ethnic background, but also a gender, an age, an economic status and so on," Dr. Hufford said. "When each factor is considered separately, the result is stereotyping. When their interaction is understood, the result is the recognition of each patient as a truly unique individual."

The curriculum also is unique in another way: It focuses on the diver-

sity of the physician as well. Students are taught to recognize the role of their own individuality and background in the practice of medicine.

The curriculum is built around real cases in which aspects of diversity are clinically important. Through these cases, and the approaches to care used, the patient's experience is made a crucial information source. The voices of different types of patients are brought directly into the teaching process.

The project will culminate in a national conference in Hershey in spring 1997. The project is funded by roughly equal federal contributions from the Fund for the Improvement of Post-Secondary Education of the U.S. Department of Education and College of Medicine cost-sharing. In the first year, the project will receive more than \$103,000 in cost-sharing. Over the three years of the project, both the federal government and the college will provide nearly \$300,000 each.

Others involved in the project include: James O. Ballard, the Doctors Kienle Professor of humane medicine; Catherine Morrison, assistant professor of humanities and director of finance and administration for the Department of Pediatrics; Susan Lederer, associate professor of humanities; Daniel Gilman, assistant professor of humanities; James Ziegenfuss, professor of administration, and Robert Munzenrider, professor of public administration.

## McNair Scholars keeping promise of success

A talented group of minority and low-income students got a cheerful send-off at a reception for graduating McNair Scholars last week as they are about to seek their fortunes in graduate schools and professional positions across the country.

Now in its third year, Penn State's Ronald E. McNair Post-Baccalaureate Achievement Program recruits first generation, low-income students or students from groups underrepresented in graduate education to pursue doctoral degrees and careers in college teaching. The program identifies students as early as their sophomore year and prepares them for doctoral study in their chosen field. It is funded by a three-year \$488,000 TRIO grant from the U.S. Department of Education.

So far, graduates of the program have fulfilled their promise well: 82 percent will have entered graduate education within one year of their graduation, and as of the fall semester,

45 percent went on the Dean's List and 68 percent had a cumulative grade-point-average above 3.0. McNair Scholars graduating this month are:

— Aaron Brundage of Pittsburgh (mechanical engineering), graduating with honors as a University Scholar, will continue his studies at Penn State. Has received a Graham Fellowship.

— Jose Buitrago of Puerto Rico and State College (landscape architecture) will attend Harvard.

— Thamar Coicou of Spring Valley, N.Y., (accounting) has accepted a position with the Arthur Anderson accounting firm in New York.

— Natasha Deer of Jamaica and Philadelphia (speech communications) will attend Florida State University.

— Paul Little of Harrisburg (English) hopes to attend the University of Southern California's screen writing program.

— Judy Liu of Boalsburg (architectural engineering), graduating with honors as a University Scholar, will attend the University of California, Berkeley in civil engineering. Has been awarded a National Science Foundation Minority Fellowship.

— Heather Spina of Verona (health and human development) will do her graduate studies at Penn State in curriculum and instruction.

McNair Scholars who graduated earlier this year are: Mark Harrison of Bethlehem (nursing) and Dennis Harney of Milan (biology), now working in their respective fields before attending graduate school; Alisa Howze of Erie (counseling and psychology) is at the University of Kentucky where she was awarded a Lamont T. Johnson Fellowship, and Antoinette Gomez of Oxford (agricultural education) who is attending Clark-Atlanta University.

### DIVERSITY BRIEFS

#### Fayette plans Women's Day

The Penn State Fayette Campus will host its 14th Annual Women's Day on-campus program on Thursday, May 19. This one-day event is designed to provide a forum for issues and concerns of area women.

More than 2,300 women have attended the program during the past 13 years. This year's agenda offers 13 workshops, a community service and information fair with 24 participating agencies and businesses, and a luncheon with featured guest speaker Marilyn Brooks. Ms. Brooks has appeared as the health and science editor for WTAE 4 News since 1984.

For more information about the event, contact Harriet Galida or Jamie Onesi at (412) 430-4140.

#### "African Culture Series" at Harrisburg

The Harrisburg Multicultural Coalition and the Penn State Harrisburg Eastgate Center are sponsoring a five-part "African Culture Series" throughout May.

The free discussions focusing on modern-day Africa's countries will be from 6 to 8 p.m. at the Eastgate Center, 1010 N. Seventh St. in Harrisburg.

The schedule of topics and presenters include:

■ May 3 — "South Africa with Debra Cruel." Ms. Cruel lectured at five universities in South Africa at the invitation of the University of Pretoria, the Christian Leadership Ministries and People With a Vision.

■ May 10 — "African Business Travel with Roger Dixon." Mr. Dixon is a local entrepreneur who will discuss his travels to Banjul, Gambia, Dakar and Senegal.

■ May 17 — "West Africa with John Scott and George Love." Mr. Scott and Dr. Love will share slides and artifacts from their visits to Ghana, Senegal and the Ivory Coast.

■ May 23 — "West Africa with Virginia Loria, Guy Stevenson and Sylvia Stevenson." Ms. Loria and the Stevensons will discuss their recent visit to Ghana, Senegal and the Ivory Coast, and Mr. Stevenson will play and demonstrate instruments.

■ May 24 — "Central Africa with Professor Robert Ness." Dr. Ness, a professor of English at Dickinson College, will discuss his travels with several area teachers to the Republic of Cameroon.



## Spanier

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alumni, friends and administrators, a viewing of his new home on the edge of campus, and a session with the media—didn't stop Dr. Spanier from making his well-known impromptu exchanges with passersby. Everywhere the new president went, people were waiting to shake his hand and tell him what was on their minds.

"That doesn't surprise me. Since being appointed I have received more than 400 letters or e-mail from people all over the country—not all of them Penn Staters," he said during an hour-long exchange with the media on May 2. "Anytime there is a change in leadership there are a lot of segments in the University community that want to express concern. I encourage this. I want to have an open administration and I will try to find out early on what issues people are concerned about."

One of the major issues facing the University and an area the incoming president is already focusing on is the amount of state funding Penn State receives. Since 1990, Penn State's state appropriation has met expectations. In the last five years, not only did the University receive less than requested, but it was also hit with mid-year funding cuts in some of those years.

For 1995-96, Gov. Tom Ridge has recommended a \$269 million allocation—\$23 million less than what was requested, and the same amount the University received for 1994-95.

"The history for appropriations for higher education in this state has been rather flat," Dr. Spanier said. "I come from a state that is doing better in this regard and I will work hard to make sure the people of this state have confidence in this University. If the people want to support the University, their legislators will too."

Dr. Spanier said he plans to travel to all corners of the state carrying Penn State's message.

"The vision of Penn State should not be Graham Spanier's vision. It should be a collective vision of what's best for the University, best for its future growth," he said. "I want to spend time getting around the state and listening to people and finding out what people expect of this University."

Another issue of importance to the president is one of accessibility for all students. As the first member of his family to attend college, the experience changed his life and has strongly influenced his views on the matter.

In a meeting with the Faculty Advisory Committee, a nine-member group of the University Faculty Senate, Dr. Spanier received nods of approval from members who said the new president was "doing his homework."

"I have not forgotten the times as a young faculty member sitting in a meeting debating issues for hours and coming up with a report that was sent to an administrator who didn't take

time to read it," Dr. Spanier said. "I place a high value on faculty time."

Peter Jurs, professor of chemistry and chair of the group, said there were few surprises for the new president in his conversations with faculty members.

"It was obvious he is doing a lot of research on the issues," he said.

Barton Browning, immediate-past chair of the group and associate professor of German, said, "He left a very positive impression on us and I think he will do a good job in communicating his thoughts to faculty. He understands the faculty perspective, although like any new president he has a lot to learn."

And learn he is.

Dr. Spanier has been pouring over more than 3,000 pages of information about the University. For this newly-elected president, the period of adjustment is a short one—something that also comes as no surprise to this current chancellor of the University of Nebraska-Lincoln.

"The president is immediately acclimated whether he wants to be or not. No one says, 'Hey let's not send him any mail for the first month until he adjusts,'" Dr. Spanier said. "I ask a lot of questions and I seek input from a lot of different people. I am committed to carrying a message of welcome and I believe if you treat employees right, they will be more productive."

Before he begins his presidency on Sept. 1, Dr. Spanier plans two more information-gathering trips to University Park. But how will he top his memorable first-day appearance at Nebraska when he showed up dressed as a gorilla? (It was Halloween.)

In what Penn Staters will come to describe as his "usual style" of listening, Dr. Spanier filed away a suggestion from a reporter that he don the Nittany Lion mascot outfit.

"That's not a bad idea," he said.

—Lisa M. Rosellini

## SPANIER'S VIEWS ON:

- **The Bryce Jordan Center**  
"It's a sign of progress. It's hard to imagine that we could get by without some new facility like this in the future."
- **Living Close to Campus**  
"This is an ideal situation. The closer the better, I really enjoy it."
- **The Community**  
"The community has really expanded in the years since I have been here. It is more vigorous and prosperous and I suspect the University played a large part in that."
- **His reported "social agenda"**  
"I believe deeply in issues of justice and equity and if that is seen as a social agenda, then I believe it is a compliment."

## New Harrisburg center helping area teachers

A Penn State Harrisburg faculty, already on the cutting edge of multimedia curriculum development, has been formally dedicated with the pledge to increase its outreach efforts to area schools.

The Whitaker Multimedia Development Center, assisting both Penn State Harrisburg and area educational communities, was dedicated and formally unveiled April 10.

Developed through a grant from the Whitaker Foundation, the center is assisting area math teachers in preparing innovative instructional materials that make use of advanced educational technologies.

The faculty and staff of the center help teachers design curriculum materials for use as interactive, computer-based learning courseware and for supporting group instruction through sophisticated audio-visual delivery. The center will support both Macintosh and IBM multimedia platforms in a fully networked environment, and a wide range of software and peripheral equipment will be maintained on site.

## Science

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at Penn State in 1988.

Among his many accomplishments, he is a Fellow of the Royal Society in the United Kingdom, the Indian Academy of Sciences, the Third World Academy of Sciences, and the American Association for the Advancement of Science; an honorary member of the International Statistical Institute, the Royal Statistical Society, and the International Biometric Society; a foreign honorary member of the American Academy of Arts and Sciences, and a life fellow of King's College in Cambridge, United Kingdom.

Dr. Rao is the recipient of numerous awards, including the Shanti Swarup Bhatnagar award of the Council of Scientific and Industrial Research in India, held the title of National Professor of India from 1987 to 1992, and holds numerous medals.

Eight other Penn State faculty are members of the National Academy of Sciences: Paul T. Baker, Evan Pugh Professor emeritus of anthropology, elected in 1980; Stephen J. Benkovic, holder of the Eberly Family Chair in chemistry and Evan Pugh Professor of chemistry, elected in 1985; Karl H. Beyer, adjunct visiting professor of pharmacology, elected in 1979; Nina V. Fedoroff, professor of biology, Verne M. Willaman Professor of life sciences and director of the Biotechnology Institute, elected in 1990; William T. Sanders, Evan Pugh Professor of anthropology, elected in 1985; Robert K. Selander, holder of the Eberly Family Chair in biology, elected in 1982; David A. Shirley, senior vice president for Research and Graduate Education, elected in 1978, and Philip S. Skell, Evan Pugh Professor emeritus of chemistry, elected in 1977.



President-elect Graham Spanier answers questions from the local media in a recent visit to University Park.

Photo: Greg Grieco

## Faculty/Staff Alerts

### Libraries committee seeks input from teachers, researchers

The Senate Committee on Libraries wants to hear the stories of researchers and teachers who have encountered roadblocks on the information highway.

In a preliminary report released April 25, the committee notes that the extraordinary possibilities of the rapidly developing highway "are currently resisted by an information industry whose first priority is its own commercial interests." The report lists current impediments to the free flow of information and outlines plans to issue a report next year that will suggest new ways for assembling, sharing and distributing information.

Researchers and teachers with stories to share should mail them to Bonnie MacEwan, E308 Pattee, or e-mail them to her at bmac@psu.edu.

Copies of the full committee report are available from the Faculty Senate office, 863-0221. The committee's chair is Judd B. Arnold, associate professor of English, S229 Burrows.

### Savings bonds

Faculty and staff who elect payroll deductions for the purchase of U.S. Savings Bonds are reminded of the upcoming change to the interest rates associated with savings bonds. The Treasury Department recently announced that savings bonds purchased after May 1, 1995 would earn market-based interest rates with no guaranteed minimum yield through maturity.

Bonds purchased before May 1, 1995 and held for five years or longer earn a market-based interest rate, or a guaranteed interest rate, whichever is higher. The guaranteed minimum currently is 4 percent.

Under the new program, the bonds, which are purchased at half their face value, are guaranteed to double their purchase price after 17 years. If a savings bond does not reach face value after 17 years, the government will make a one-time adjustment to increase it to face value at that time.

In abandoning the guaranteed minimum rate, the Treasury will announce two interest rates for savings bonds each May 1 and Nov. 1. The first rate will be the short-term rate that applies for the bond's initial five years. The short-term rate will be 85 percent of the average of six-month Treasury security yields.

The second rate is the long-term rate that applies

after five years through maturity at 17 years. The long-term rate is 85 percent of the average of five-year Treasury security yields.

Savings bonds bought before May 1 will continue to earn interest under the terms in effect at the time of purchase. Faculty and staff who wish to begin, change or stop savings bond deductions should contact the Payroll Department.

### Auto Safety Hotline

The University's office of Environmental Health and Safety wants to alert employees to a toll-free hotline that could help save lives. The National Highway Traffic Safety Administration, an agency of the U.S. Department of Transportation, offers free highway safety and vehicle information to consumers through the toll-free Auto Safety Hotline at 1-800-424-9393.

The hotline, which last year received nearly 1,200 calls a day, is available for consumers who want information or who wish to report suspected safety-related defects in motor vehicles, tires and automotive equipment, including child safety seats. The NHTSA investigates alleged safety defects and orders recalls when necessary. If a recall occurs, the manufacturer must fix the defect at no cost to the owner.

Consumers who call this toll-free number also can receive a variety of information to make their motor vehicle travel safer, parents can obtain information about child safety seats, and a prospective car buyer can compare the crash test results of new cars or light trucks. Recall information on a particular model is also available by make, model and year. If requested, a free copy of the information will be mailed within 24 hours.

### National electronic open meeting

Members of the University and local communities will be able to voice their opinions on government and its role in the information superhighway during a National Electronic Open Meeting being held through May 14. Interested participants can access this meeting free of charge through the World Wide Web at computer terminals in the Documents Section of Pattee Library. Staff members will be available during the following hours to assist participants:

Thursday, May 11: 8 a.m. to 10 p.m.; Friday, May 12: 8 a.m. to 5 p.m., and Saturday, May 13 - Sunday, May 14: 1 to 5 p.m.

The meeting, titled "People and Their Governments in the Information Age," seeks comment on the use of information technology by federal, state, tribal

and local governments. The meeting is part of an ongoing effort to broaden public participation in creating an electronic government.

During the electronic open meeting, five discussion groups will run simultaneously on topics related to "People and Their Governments in the Information Age."

More than 300 public and private organizations throughout the U.S., the Virgin Islands, and several foreign countries have volunteered to serve as public access sites, allowing greater citizen participation.

### HRCD courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-based courses requires a completed registration form, found on page five of the HRCD course catalog. For course description, consult the catalog.

■ **Customer Service For Front-Line Employees (CUS 001)** Meets Friday, May 26, 8:30-11:45 a.m., in 319 Rider Building; cost \$35.00.

■ **Introduction To IBIS IBM (ADC 003)** Meets Thursday, June 8, 1-4 p.m., in 116 Wagner Building; cost \$40.00.

■ **Word 5.1 Complete (MAC 002)** Meets Monday, Wednesday, and Friday, June 12, 14 and 26, 1-5 p.m., in 117 Wagner Building; cost \$150.00.

■ **Introduction To Lotus (DOS 3.1) (IBM 009)** Meets Tuesday and Thursday, June 13 and 15, 1-4:30 p.m., in 116 Wagner Building; cost \$50.00.

■ **Introduction to Macintosh (MAC 001)** Meets Tuesday, June 13, 9 a.m.-4 p.m., in 117 Wagner; cost \$90.00.

■ **Defensive Driving-4 (WEL 002)** Meets Tuesday, June 20, 8:30 a.m.-noon, in 319 Rider Building; cost none.

■ **Excel 4.0 Complete (MAC 003)** Meets Monday, Wednesday and Friday, June 26, 28 and 30, 8 a.m.-noon, in 117 Wagner; cost \$150.00.

■ **Wordperfect 6.0 For Windows Macros (IBM 015)** Meets Thursday, June 29, 8 a.m.-noon, in 116 Wagner; cost \$70.00.

### Holiday hours

The Penn State Information and Directory Assistance Operator Office hours for May 29, Memorial Day, are 8:30 a.m. to 4:30 p.m. Normal hours of 7:30 a.m. to 11 p.m. will resume on Tuesday, May 30.

## PROMOTIONS

### Staff

Robert M. Curley, manager, Research Computing, Applications Development Unit, The Hershey Medical Center.

Shelie D. Dershem, supervisor, Student Records, in Office of The President.

Douglas P. Donachie, LPN/MEDS at The Hershey Medical Center.

Linda F. Ensek, advising program coordinator, Penn State DuBois Campus.

Gail E. Good, admissions counselor II, Penn State Altoona Campus.

Carol J. Griffin, staff assistant V in Office of Human Resources.

Beatrice M. Hetrick, staff assistant VIII in Business Services.

Edwin G. Hoch, database programmer at The Hershey Medical Center.

Carole K. Jones, staff assistant VI at The Hershey Medical Center.

James L. Kaylor, manager, Research Computing, Network and Systems Administration, The Hershey Medical Center.

Marjorie J. Kruppenbach, library assistant I, Penn State Berks Campus.

Jeffrey C. Kuhns, associate administrative director, Office of Telecommunications, in Computer and Information Systems-Telecommunications.



### Acts of love

Students at Penn State Erie, The Behrend College gathered during a recent lunch hour to pin 11 names on a quilt commemorating family and friends who have died of AIDS. Patty Pasky McMahon, coordinator of Health and Wellness Services (left), joins Tom Keese, Student Programming Council president, in adding names.

Photo: Courtesy of Penn State Erie, The Behrend College



# ATHLETICS

A regular column provided by Intercollegiate Athletics

## Pittman honored

Football senior Tony Pittman of Charlotte, N.C., an academic All-America and All-Big Ten Conference selection, received the John W. Oswald Award in athletics at the University Awards Convocation. The son of former Penn State All-America tailback Charlie Pittman, Tony, will graduate this month with a degree in industrial engineering and a 3.57 grade-point-average. Tony was one of 15 players named to receive Scholar-Athlete awards from the National Football Foundation and College Hall of Fame. He also received a national Scholar-Athlete Award from Hitachi.

## NCAA corner

Many high school athletes have signed letters of intent to attend Penn State for the 1995-96 academic year. Even though they have signed the National Letter of Intent, they still are considered prospects until their first day of classes for the regular academic year. Under no circumstances should phone calls be made to these prospective student-athletes, their parents or relatives. Bona-fide organizations of an institution may sponsor lunches, teas or dinners at which prospective students (athletes and non-athletes) of that immediate locale are guests. All guests must be invited under the same arrangements (e.g., if student-athletes are provided complimentary admission, then all students must be provided complimentary admission). Any organization promoting Penn State is considered a bona-fide part of the institution provided the organization is accredited by the chief executive officer of the institution.

## E.J. Sandusky gets coaching assignment

Former Penn State football center E.J. Sandusky has been named offensive line coach at Western Carolina University in Cullowhee, N.C. E.J., the son of Nittany Lions' defensive coordinator Jerry Sandusky, has been a graduate assistant coach the past two seasons at the University of North Carolina.

## Spring update

■ The Lady Lions softball team posted its first 20-win season since 1981 and racked up 10 victories in the Big Ten Conference.

■ The men's golf team captured its fourth straight District II Eastern Championship.

■ The men's tennis team finished sixth in the Big Ten Championships, placing higher than its besting (8th) for the fourth year in a row. The Lady Lion tennis squad was 10th in the conference tournament.

Sophomore Olga Novikova earned a spot on the All-Conference team.



A new look

The West Wing of Chambers Building, home to the College of Education, is sporting a new look after renovations that culminated May 5 in an open house/ribbon cutting ceremony. Here, A.J. Grill, assistant to the dean for human resources and administrative services, President Joab Thomas and Rodney Reed, dean of the college, talk about the facilities that provide new offices for Student Services and new science education labs for teaching elementary and secondary school students about science.

Photo: Greg Grieco

## Faculty Senate News

### Thomas discusses new optimism over state budget

President Joab Thomas told the University Faculty Senate April 25 he is "cautiously optimistic" that state legislators attending recent budget sessions understood Penn State's 1995-96 appropriation request.

"It was clear at these sessions that Penn State is viewed as special," Dr. Thomas said. "The feedback we received was that Penn State had the best hearings. I am cautiously optimistic that our case will not be heart-warm was understood."

Dr. Thomas spoke last month at sessions with both the House and Senate appropriations committees and at an informational meeting held by the House education committee. Penn State has requested a \$292.2 million state appropriation for the 1995-96 academic year, but Gov. Tom Ridge's budget proposal includes only a \$269 million appropriation — the same as the 1994-95 appropriation.

The president told the Faculty Senate that faculty contributions to the state "not only concern the educational development of students. They also involve the generation of knowledge that is such a vital part of economic and social progress. I have repeatedly made the point in our legislative sessions that as all industries rely more and more on knowledge, rather than money, as their most important capital, Penn State has an especially critical role to play in the future of Pennsylvania."

Dr. Thomas, attending his last Faculty Senate meeting as president, offered his thanks for the excellent working relationship he has had with the Faculty Senate and pledged to keep a close eye on Penn State. "I assure you," he said, "that if you do not rise to the challenges and opportunities before Penn State I will be back to haunt you."

The Senate presented the president with an engraved Revere bowl and passed a resolution that cited his emphasis on undergraduate education, his efforts to promote research and his encouragement of greater private and public support for Penn State. "My cup runneth over," Dr. Thomas said, raising the bowl.

In other business, the Senate rejected a proposal that would have eliminated the existing role of the Senate Committee on Administrations, Records, Scheduling and Student Aid in granting "academic renewal" to former students who want to re-enroll after an interruption of up to four calendar years. It also heard several informational reports, including those on:

- nine recommendations to streamline the process of developing and implementing new academic courses;
- a proposal to create a division of biological sciences that

would "overlay" the current structure of colleges and departments involved and a component called the "BIOCORE" that would coordinate the undergraduate education program; and

■ a transportation and parking initiatives plan that includes a system of monthly parking fees for core, open staff, commuter, and "park & pool" lots up to the year 2000.

At the conclusion of the meeting, outgoing Senate Chair Barton W. Browning reviewed the Senate's activities this year and turned over the gavel to incoming Chair Peter Jurs, joining Dr. Jurs as Senate officers are chair-elect Scott Kreichmar and Louis F. Geschwindner Jr.

Dr. Jurs said he hoped for a "collegial and effective working relationship" with President-elect Graham B. Spanier.

## Number of intramural sports teams on the rise here

When you think about athletics and Penn State, what probably comes to mind is football and other varsity sports. But Penn State athletics also means intramural and club sports programs, both of which have expanded greatly over the last 10 years.

In 1993-94, more than 3,800 individuals played club sports and nearly 20,000 played intramural sports at the University Park Campus, according to a recent report to the University Faculty Senate.

The number of sports clubs (currently 57) has doubled since 1978, says the report, and participation is believed to have doubled and perhaps quadrupled over the last 10 years.

While the report made no recommendations, it pointed out that factors such as limited facilities, funding, and personnel "all contribute to the rapidly increasing complexity of maintaining an ever-growing intramural and club sports program at Penn State." This year, about \$23,000 was budgeted to support intramural sports activities, and about \$63,000 for activities in the 57 sports clubs.

The report was presented March 14. According to the report, the 57 sports clubs include 14 intercollegiate athletic clubs, 38 sports clubs, and an outing club that actually consists of five individual clubs.

## Appointments

### New Kensington names CEO

Catherine C. Gannon, professor of English at California State University, San Bernardino, has been appointed chief executive officer of the Penn State New Kensington campus effective July 1.

In addition to her current position as professor of English, Dr. Gannon served as acting chair of the Communication Studies Department from 1991 to 1993 and was recognized for her mentoring abilities to junior faculty.

From 1986 to 1990, she served as dean and director of Coachella Valley Center in Palm Desert, Calif. She helped establish the satellite campus and was in charge of its total operation, including the budget and academic programs — 16 degrees and credentials, as well as student services, policies, equipment and facilities. She also developed strong campus ties to the community and expanded educational opportunities through computer technology.

In her first position at San Bernardino as associate dean and then dean of academic planning, Dr. Gannon undertook an extensive review of campus programs. She coordinated academic advising, supervised such offices as the interdisciplinary majors and The Evening Office, and was the administrative representative to the curriculum and general education committees. She also formulated and implemented policy associated with undergraduate and graduate programs and conducted master planning and had major responsibility for the 10-year accreditation report.

Among her committee appointments, she has served on the Council of Deans, the Academic Management Group, the Faculty Senate, the University Evaluation Committee (retention, promotion and tenure), and a number of university committees on curriculum and instruction and departmental evaluation committees.

Also active in her field of Renaissance literature, Dr. Gannon is the co-author of *Reading Renaissance Drama: A Process Approach*, published by Peter Lang, 1991.

For the community, she has conducted intensive programs for local school districts and has spoken on radio and TV and to service groups throughout the campus region on university programs, projects and the satellite campus.

She has received a number of honors, including a faculty development grant and an Associated Students Award at San Bernardino and an Institute of Renaissance Studies Fellowship.

Dr. Gannon received her B.A., M.A. and Ph.D. from the University of California, Los Angeles, and taught literature and composition courses at Purdue University from 1971 to 1976, where she also developed a statewide literary awards competition. Before joining the faculty at San Bernardino in 1976, she spent the 1975-76 academic year as a Carnegie Administrative Fellow, one of four selected nationwide for intensive administrative training at the Claremont Colleges.

### Verne M. Willaman Professor appointed

Robert Todd Simpson has been named the first Verne M. Willaman Professor of molecular biology. Before joining the Penn State faculty, Dr. Simpson was chief of the National Institutes of Health Laboratory of Cellular and Developmental Biology at the National Institute of Diabetes and Digestive and Kidney Disease. He was also co-chairman of the Department of Biochemistry of the Foundation for Advanced Education in the Sciences.

Dr. Simpson has been an international leader for more than 20 years in research on the structure of chromatin and its effect on gene regulation. His research has established numerous precedents in the discovery of important structure/function relationships in chromatin proteins.

Dr. Simpson received his B.A. with high honors as

a Phi Beta Kappa graduate of Swarthmore College in 1959. He was an Alpha Omega Alpha graduate of Harvard Medical School, from which he received an M.D. degree (cum laude) in 1963. He earned a Ph.D. degree in biological chemistry at Harvard University in 1969, after which he joined the United States Public Health Service. He was an active researcher at the National Institutes of Health from 1969 until he came to Penn State in 1995. He has been a laboratory chief at the National Institutes of Health since 1980.

While at the National Institutes of Health, he was a member of the Director's Reviewers Reserve and served as a member of the Molecular Cytology Study Section; president of the National Institute of Arthritis, Diabetes, Digestive, and Kidney Disease Assembly of Scientists; member and chair of the National Institutes of Health Biosafety Committee, and member of the board of directors of the Foundation for Advanced Education in Science. His efforts were recognized with a Commendation Award in 1982 and the Meritorious Service Award from the U.S. Public Health Service in 1991.

He has served on the editorial boards of both the *Journal of Biological Chemistry* and *Nucleic Acids Research*, and he is currently executive editor of *Nucleic Acids Research*.

The Verne M. Willaman Chair in Molecular Biology was established in 1992 with a generous gift from Verne M. Willaman, 1951 Penn State graduate and former chairman and president of Ortho Pharmaceutical Corp. and a former member of the executive committee and director of Johnson & Johnson.

### Altoona gains student affairs director

David P. Shields Jr. has been appointed director of student affairs at the Penn State Altoona campus. Mr. Shields has served as interim director since October 1994, following the retirement of H. George Russell. Before coming to the Altoona campus, Mr. Shields was director of student activities at Penn State Erie. The Behrend College for six years.

At Behrend, he managed the student union and supervised the college's student activities programs, directed their award-winning annual Speaker Series, and served on a number of University committees. Mr. Shields received a number of awards for outstanding service at Behrend, including outstanding service to the college in 1989-90, and 92-93; outstanding service to students in 1992, and outstanding student organization adviser in 1992.

### CEO for Beaver Campus named

Dennis M. Travis, dean of the College of Arts and Sciences at Shawnee State University in Portsmouth, Ohio, has been appointed chief executive officer at the Penn State Beaver Campus effective July 1.



Robert Todd Simpson

Albert N. Skomra will continue as CEO of the Beaver and Shenango campuses until July 1, and then will return to full-time duties as CEO at the Penn State Shenango Campus in Sharon.

Dr. Travis is responsible for one of the five colleges at Shawnee, which has an annual operating budget of approximately \$4.3 million. The college offers bachelor and associate degrees in arts and sciences and has an enrollment of nearly 1,000 students, with about 140 full-time and adjunct faculty. In addition, he teaches to remain current in his field of botany and to stay in touch with students and classroom issues. Shawnee is one of 13 state-assisted universities in the Ohio system.

As dean, Dr. Travis is also responsible for overseeing faculty research grants and has served on grant proposal review committees for national foundations such as the National Endowment for the Humanities and the National Science Foundation. He also has responsibility for fund raising and has developed a Dean's Community Advisory Council to raise funds and seek support in student



Dennis M. Travis

recruitment and career placement development.

He serves as a member of the Ohio Board of Regents, Research Officers Council, which focuses on graduate and undergraduate education and university and industry initiatives among Ohio's major universities, and Project Discovery, Ohio's National Science Foundation/Ohio Board of Regents' statewide initiative to improve mathematics and science education.

Dr. Travis has had administrative experience at several other colleges and universities as well, including New York Institute of Technology, where he served as dean of the School of the Natural Sciences and professor of biology from 1988 to 1991. Natural Sciences, one of 10 academic schools at NYIT, was comprised of six academic departments across three campuses.

Before that, he was dean of the School of Natural Sciences and professor of botany at Weber State College, now a university, in Ogden, Utah. He also was vice president for academic affairs at the University of Maine at Presque Isle; vice president for academic affairs at what is now Mansfield University of Pennsylvania; dean of the College of Arts and Sciences at Millikin University, Decatur, Ill., and assistant dean of the College of Arts and Sciences at Miami University, Oxford, Ohio. He also taught at the Community College of Baltimore and Edinboro State University.

Dr. Travis is a member of a number of honorary societies.

A biology graduate of Edinboro State College in 1966, he also received a master's degree in science education there, before going to Miami University where he received a Ph.D. in botany in 1974.

In the community, he is currently co-vic-chair of Leadership Portsmouth, Inc., and involved in a fund-raiser for the American Heart Association.

Dr. Travis and his wife, Kathryn, have three children: Grant, Tyler and Seth.



David P. Shields Jr.



## Appointments

### Endowed chair filled

Caren Gloffely has been selected to occupy the Maurice K. Goddard Chair in forestry and environmental resources in the School of Forest Resources. She was deputy secretary for water management in the Pennsylvania Department of Environmental Resources from April 1991 to February 1995.

The endowed chair honors Maurice Goddard, who served as secretary of the Department of Environmental Resources under five Pennsylvania governors. Mr. Goddard served as director of the School of Forest Resources as well.

Ms. Gloffely started her career as a planning expert in the Department of Environmental Resources from 1973 to 1981. From 1981 to 1983, she worked for Maryland's Department of Health and Mental Hygiene as an environmental programs analyst and Chesapeake Bay program coordinator. In addition, she worked as a sewage enforcement officer from 1986 to 1989 in Sadsbury Township, Lancaster County, and from 1989 to 1990 was vice president of Winsor Associates in Ardmore, a consulting firm specializing in resolving environmental policy conflicts.

Ms. Gloffely returned to DER in 1990, where she worked as special assistant to the secretary, staffing Gov. Casey's Select Committee on Nonpoint Source Nutrient Management. She has a bachelor's degree from Raymond College, University of the Pacific in Stockton, Calif., and a master's degree in regional planning from the University of Pennsylvania.

As deputy secretary for water management, Ms. Gloffely supervised Pennsylvania's water-related programs, including watershed management, wetlands and waterways protection, surface and groundwater quality and nonpoint source pollution. She also reorganized the department's water programs and developed its first strategic plan for water management.

The Goddard Chair was endowed in 1982 with gifts from foundations, corporations and from personal contributions. To ensure a continuous flow of new ideas and direction, the chair can be occupied by one individual for a maximum of six years.

### DuBois names director

Sean Kelly has been named director of student affairs at Penn State DuBois Campus. He is responsible for directing all aspects of student affairs activities at the campus as well as the campus enrollment management effort.

Mr. Kelly, a native of Dunmore, Pa., began his career in education teaching elementary school in Mountsville, W.V. He then moved to a position as director of residence life at Keystone Junior College in La Plume, Pa., eventually advancing to the position of director of student life. He joined the Penn State Wilkes-Barre Campus in 1987 as assistant director of student affairs, a position he held until accepting the job directing student affairs at DuBois.

### Plant pathologist earns professorship

Eva Pell, distinguished professor of plant pathology, has been appointed the Nancy and John Steimer Professor of agriculture in the College of Agricultural Sciences.

The professorship was endowed in 1989 to support the acquisition of equipment, scholarly travel, graduate assistants and other activities related to a designated professor's academic program.

Dr. Pell joined the college faculty in 1973 and was named distinguished professor in 1991. Her research centers on the physiological and biochemical effects of air pollutants on plants. Dr. Pell and her collaborators have contributed significantly to the understanding of the biochemical mechanisms by which ozone accelerates leaf aging.

Recently, she collaborated with scientists at Stanford University and Oregon State University to research how plants respond to multiple stresses. Currently, Dr. Pell is directing a project exploring how plants react genetically to ozone.

She has written or co-authored more than 100 research publications and has presented numerous lectures and seminars, and has served on advisory panels for the U.S. Department of Agriculture and the Environmental Protection Agency. In addition, she has provided service to all branches of the University. Most recently, she chaired the Search and Screen Committee for the University president.



Eva Pell

Dr. Pell began her academic career as an adjunct assistant professor at Rutgers University. Upon arriving at Penn State, she was appointed assistant professor of plant pathology with a joint appointment in the Environmental Resources Research Institute.

Dr. Pell received a bachelor of science degree in biology in 1968 from City College of the City University of New York. She earned her doctorate in plant biology from Rutgers University in 1972.

She is a member of the American Association for the Advancement of Science, and the American Phytopathological Society and the American Society of Plant Physiologists.

## Private Giving

# Faculty members raising \$1 million for endowment

For some people, the bigger the hurdle, the more they like it. That's the case with an energetic but patient group of faculty in the Department of Exercise and Sport Science who are raising \$1 million for an endowment the hard way—one dollar at a time.

Income from the fund may be used to purchase new exercise and sport science technology, fund professional travel expenses for student and faculty research projects, and provide ongoing financial support for students.

"No one gets any money from this until we hit a million dollars," said Robert Eisenbraun, assistant professor of exercise and sport science, and one of seven core organizers. "Every dollar goes into the endowment until we reach our goal."

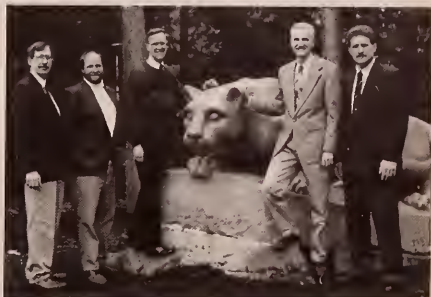
Mr. Eisenbraun, Professors Scott Kretschmar, and Ron Smith, Associate Professor Tom Tait, former instructor Carlyle Carter, and instructors John Fritz, Rich Lorenzo, and Bob Ricketts are donating summer teaching fees and/or making payroll deductions, and persuading others in the department to participate. To date, they've raised approximately \$30,000, and more faculty members have joined the team.

"We love Penn State, so we've given our summer teaching supplements to help our program. Other faculty in the department also have signed up by giving," Mr. Lorenzo said.

The drive began with a more modest first goal—that of establishing a new \$25,000 endowment in exercise and sport science. This was accomplished in short order, helped along by initial donations from faculty of \$7,500. The \$1 million goal should be reached around the year 2020.

"We want people out there to know that we're committed to our department," Mr. Ricketts said. "When we recruit good faculty, we can now offer them much more than the opportunity to teach at Penn State. We can also offer them a place that has camaraderie and a special sense of dedication and loyalty."

The initial gifts triggered still more contributions from faculty, alumni and friends. Under the University's Lifetime Endowment program, gifts at these levels are invested by Penn State until the desired endowment goal is reached—then the endowment begins to work. In this case the principal will earn interest, which will be reinvested with future



Faculty in the Department of Exercise and Sport Science donating summer teaching fees to create a \$1 million endowment are: Robert Eisenbraun, Bob Ricketts, Scott Kretschmar, Tom Tait and Rich Lorenzo. Not shown are Carlyle Carter, Ron Smith and John Fritz.

Photo: Dick Ackley

gifts until the principal reaches \$1 million.

"We're the only department creating such an endowment in this way,

and it's a great feeling," Mr. Ricketts said.



Under construction

Travis Broadbent, a worker with Hickes Associates, cuts concrete blocks inside the Keller Conference Center on the University Park Campus. The work is part of a \$5.4 million remodeling project to renovate the structure for use by the College of Education, The Small College of Business Administration, Continuing and Distance Education, and the School of Hotel, Restaurant and Recreation Management.

Photo: Greg Grieco

## News in Brief

### Library hours

University Libraries on the University Park Campus will maintain the following schedule during Intercession through June 2:

Pattee Library, Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library and Physical Sciences Library.

Monday-Thurs. 8 a.m. - 10 p.m.  
Friday 8 a.m. - 5 p.m.  
Saturday 8 a.m. - 5 p.m.  
Sunday 1 p.m. - 5 p.m.

All libraries will be closed Monday, May 29 for Memorial Day, as well as Saturday, June 3 and Sunday, June 4. They will remain open from 8 a.m. to 5 p.m. on Monday, June 5 and Tuesday, June 6. Summer session hours will begin Wednesday, June 7.

Pollock Library will be closed during this period and will begin summer session hours on Wednesday, June 7.

For more information on hours of library service, call (814) 865-3063 or type HELP HOURS when using the Library Information Access System (LIAS).

### Multimedia vendor show

Computers? Cyberspace? Multimedia? What does it mean and how does it work? These questions and others will be answered by a select group of vendors on Tuesday, May 15, from 1:30 to 5 p.m., at the Multimedia Vendor Show at The Scanticon Conference Center Hotel.

Demonstrations of the latest multimedia technology will be presented in conjunction with the "Transforming Classrooms through Technology" conference to be held May 15-17 at the

same location. The vendor show and the conference are both continuing and distance education services of the colleges of Engineering and Education. The public is invited to attend the vendor show.

### Professional Women to meet

Professional Women at Penn State is hosting a May 16 meeting to discuss the World Wide Web, a network of mainframes and computers spanning the globe. To take advantage of the Web's resources you must learn a few basic concepts and procedures, and this meeting will introduce some tools to help users find the resources available on the Web.

This brown-bag lunch meeting will begin at 11:45 a.m. Tuesday, May 16, in Room 102 Classroom/Office Building. The presentation by Gerald Santoro, lead research programmer, will start promptly at noon.

Professional Women at Penn State is a grassroots group coordinated by University women in which participants can develop and maintain a communications network and serve as a resource for other Penn State employees. Attendance by both males and females in all job and student classifications at the University is welcomed.

### Mineral Sciences Junior Education Day

On Saturday, June 10, the first Mineral Sciences Junior Education Day will be held at the Earth and Mineral Sciences Museum on the University Park Campus. Mineral Sciences Junior Education Day is open to students in grades 1 through 8. Admission to this

event is free and registrations are now being accepted.

Mineral Sciences Junior Education Day will expose grade school students to the wonders of the earth and materials sciences. All participants must pre-register before June 2 by calling the EdMS Museum at 865-6427. Sessions begin at 10 a.m., 11 a.m., noon, 1 p.m. and 2 p.m. Admission is free but is limited to the first 250 students. All events will be held in the Mineral Museum in Steidle Building. The event is sponsored by the Nuttall Mineralogical Society and the Earth and Mineral Sciences Museum.

For more information, contact the museum at 865-6427.

### Bryce Jordan Center Job Fair

The Bryce Jordan Center will hold a Job Fair on Saturday, Sept. 23, from 10 a.m.-6 p.m. The Job Fair will provide an opportunity for people interested in event-related employment with the center to gather information and apply for the hundreds of jobs that will be available when the facility opens. The specific location of the fair will be determined later this summer.

Scheduled to open in January 1996, the 16,500-seat center has job openings for: ushers, ticket takers, security personnel, stage hands, set-up and clean-up staff, concessions and novelty personnel, tour guides, telephone operators and receptionists. The positions will require day, evening or weekend hours, with most of the positions directly related to events held at the center. Orientation and training sessions will be provided before the opening.

## Library begins massive project to save books

The University Libraries has embarked on its first mass deacidification project to chemically treat acidic volumes found in the African-American Studies Room Collection. These books, like many books published from the mid-19th century to today, are slowly being destroyed by the high acid content found in the paper on which they are printed.

One hundred sixty-three volumes are being selected from the collection and sent to Preservation Technologies, Inc., a mass deacidification vendor in Glenshaw, Pa., for treatment. Funding support for this project will be provided by the Class of 1966 Libraries Endowment.

Mass deacidification is a chemical process for treating library mate-

**These books, like many published from the mid-19th century to today, are slowly being destroyed by acid in the paper they were printed on.**

rials on mass to neutralize the acid content found in paper and to deposit an alkaline reserve that consumes future acid formation. The effect of this process is to extend the life remaining in paper at the time it is treated. The process does not reverse paper deterioration that has already taken place.

Depending on the paper type, scientists predict that deacidification can extend the life of paper by three- to five-times its original use-life. For example, a low grade acid wood-pulp paper with only a 10-year use-life could be extended 30 to 50 years with deacidification.

The African-American Studies Room collection consists of books by and about African-Americans and emphasizes the experience of African-Americans in the United States and their African heritage. The collection is a representative segment of the extensive range of resources contained in the Libraries' general collection. It covers all subject areas, particularly those of history, sociology, literature and education. The collection is intended to provide students and researchers with guideposts to the other African-American resources available in the Libraries.

The Libraries will contract with Preservation Technologies, Inc. (PTI) as the sole source provider of the deacidification treatment. The PTI Bookkeeper process, a patented process which deposits particles of magnesium oxide in the paper structure, recently has been approved by the Library of Congress as a safe, viable treatment process.



# Quality Expo '95

Information provided by the Continuous Quality Improvement Center  
May 11, 1995



Members of the Philadelphia Area Recruitment CQI Team traveled to University Park to join in Quality Expo '95. The team includes Deborah Hitchcock (leader), Sophie Wisniewska (facilitator), and members Carolyn Baswell, Nancy Eberle, George Franz, Pete Coleman, Tom Murt, Harry Lehev, Bruce Ellis, Gale Siegel, Blanche Staton. The team is from Enrollment Management and Administration / Commonwealth Education System, Undergraduate Admissions Office. The sponsors are Robert Dunham and John Romano.



Margaret Spear, a sponsor of the University Health Services Triage CQI Team, talked about the team's accomplishment with, from left, John Brighton, executive vice president and provost, and John Romano, vice provost for enrollment management and administration. Triage CQI Team members are Connie Cavalier (leader), Robert Barlock (facilitator), Kathy Petroff, Lisa Witt, Joanna Moyer, Larry Dansky, Sue Miller, and Brenda Miller. Patricia Irwin also is a team sponsor.

Photo by Greg Grieco

## Share, Learn, Celebrate.

On April 6, Penn State Continuous Quality Improvement teams and visitors celebrated Quality Expo '95, a day to recognize team members and their accomplishments. Thirty-five exhibitors set up shop in the Nittany Lion Inn Ballroom for the third annual quality team recognition day.

The 1995 event reflected a number of changes — continuous improvement — from 1994. The Quality Expo, formerly the CQI Fair, had a new location, one that dressed up the event and made parking for visitors more convenient. Teal and lavender balloons rose above the exhibits as faculty, staff, students and visitors drifted among the many team displays, picking up a free bookmark here, a pretzel there. More than 500 participants attended from Penn State teams at University Park, the Commonwealth Campuses, and The Hershey Medical Center.

In a brief noon ceremony, University President **Joab Thomas** recognized the role CQI plays in the advancement and success of Penn State. "Continuous Quality Improvement is providing the University with tangible effects," he said. "CQI gives us a framework for advancing the Penn State mission."

Captain **Barbara Stankowski**, commanding officer of the Naval Education and Training Program and keynote speaker for the Expo, urged the audience to celebrate the efforts of the CQI teams. "You have accepted the challenge to do your job differently, to learn new things and new tools," she said. "You have learned to work as a team."

Her remarks, "Leading in a Team Environment," reflect her enthusiasm and support for quality efforts. "The pursuit of quality has become a passion in my life over the past five years," she said.

She acknowledged the determination and leadership necessary to advance a quality organization. "It takes courage, foresight and

**To be a continuously improving University, we must be a continuously learning community. CQI can do that for us.**

*Joab Thomas*  
University president.

vision to drive change," she said. "Quality efforts cannot be successful or survive without strong leadership to allow challenges to happen."

Team members must continue to champion the customer, Capt. Stankowski said. "Listen to the customer," she said. "Once you can do that, things can never be the same." Capt. Stankowski urged Expo participants to join in the celebration of teamwork. "We're here to celebrate your accomplishments and achievements."

**John Brighton**, executive vice president and provost, noted the spirit of the Expo. "The atmosphere in this room is one of teamwork," he said. "What comes across is the sharing of information, the learning from each other, and the interest in taking that knowledge back to the workplace. The emphasis is on working in teams."

"Quality Expo '95 is one of the ways the University recognizes the accomplishments of the CQI teams," said CQI Center Executive Director Louise Sandmeyer. The Expo was coordinated through the CQI Center with Assistant Director Carol Everett and a 13-member planning team.

During the Expo, visitors could stop by a Media Center to see demonstrations of quality improvement software, browse among books at the Nittany Lion Inn Gift Shop, or travel to the Scanticon to see state-of-the-art decision-making technologies. Throughout the day the winners of door prizes, donated from across the University, were

## OVERHEARD

Quotes from visitors and team members at Quality Expo '95

"The Quality Expo reflects what we are as a University. It represents the positive energies of the University's faculty, staff, and students."

*John Brighton  
University executive vice  
president and provost.*



"I ask you to continue to be champions. Celebrate every victory, and always accept that challenge."

*Barbara Stankowski,  
commanding officer,  
Naval Education and  
Training Program, and  
Quality Expo '95 keynote  
speaker.*



"CQI gives you the feeling that you are making a difference. It provides employees with a way to focus on solving problems."

*Linda Poss  
team facilitator,  
HORIZONS  
Partnerships in Patient Care,  
Hershey Medical Center.*



"The most important result of benchmarking is the cooperation and collaboration among colleagues at our benchmark institutions."

*Kathy Kimball  
Computer and Information  
Systems*



Members of the University Libraries' Bibliographic Processing Workflow Initiative show Quality Expo '95 visitors the mobile and bookmarks of their exhibit. The team studied the process of entering new book information into the library's UAS system.

Photo: Steve Tressler



## About the teams...

▼ **Finance and Business  
Corporate Controller**  
*Commonwealth Educational System Financial Officers  
CQI Team*



Sharon Kishel, left, and team leader Anne Kepler discuss the team's achievements. The Enrollment Management and Administration Graduation CQI Team reduced the number of errors on the tentative graduation list.

Photo: Steve Tressler

The trip to Quality Expo '95 was easy on an April day. It wasn't quite so simple when the *Campus Financial Officers CQI Team* began its work during the record-breaking winter of 1993-1994. Despite 100+ inches of snow, team members Jane Agnelly (leader), Gene Danowski, Mike Dujmic, Joe Jones, Judy Mellott, Judy Ray, Deb Rusbarsky, and Sue Werner studied "the cash collection, reporting and safeguarding of assets for the cash payment process."

"We created a procedure for central banking of all deposits made by all (non-University Park) campus locations," said Ms. Agnelly. The team developed the procedure and has recommended further steps to standardize the process.

The team's initial sponsor was Fred Saylor; its current sponsor is Deborah Meder. Dean Murray is facilitator.

▼ **Enrollment Management and Administration,  
Office of the University Registrar**

*Graduation CQI team*  
Joe knows quality! Decked out in graduation cap and gown, the standup Joe Paterno stood watch at the University Registrar's *Graduation Continuous Quality Improvement Team* exhibit. The team, led by Anne Kepler, helps make sure that on graduation day a diploma awaits each graduate. Team members — Karen Craig, Charlotte Hitchcock, Deborah Richards, and Shari Welch from the Registrar's

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## Quality Circle activities

moment, a semicircle of Quality Expo '95 participants is intently discussing the future of industry and higher education partnerships. The chairs are swept aside and visitors join in team-building activity with the staff of the Creek Environmental Center. Welcome to the *Circle Program*, an afternoon of lively conversations, demonstrations, and fun.

Two corporate visitors — Randolph Guschl and William Geoghegan of IBM — held the first session, a one-on-one exchange in quality principles and practices in industry education. Industry recognizes the benefits of working partnerships, Mr. Guschl and Mr. Geoghegan agreed. For example, industry and higher education can work together to prepare students for life in the marketplace.

"The marketplace is changing," Mr. Geoghegan says. "Corporations are moving from *competition* to *cooperation* in the workplace. 'We are moving from hiring new employees who are so highly trained that they can do the job for us' to 'We are hiring new employees who are so highly trained that they can do the job for us'." Our employees need to have the skills to work with others to develop solutions to problems. They must synthesize and manage information.

Mr. Guschl is director, Corporate Technology at DuPont. Mr. Geoghegan spent 17 years in research, and administrative positions at the University of California, Berkeley before joining IBM.

Walter Witherite from The College of Engineering, University of California, and Linda Hendershot from Independent Learning — students by which the names of students who intend to be included on the tentative graduation list are determined to reduce errors.

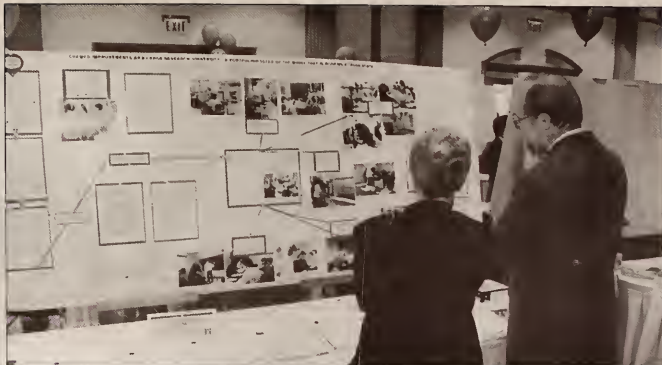
Dr. Q's emphasis on understanding the process as it is, rather than recommending and implementing a new team set out to determine the points at which to change their intent to graduate. They also looked toward graduation provided to students. Recommended changes included providing more information to students at key points in the school year, or results; fewer incorrect diplomas were reduced; and mailings from the registrar were reduced.

Wager is the team's sponsor and Carol Findley team leader.

Hershey Medical Center, College of Medicine and *Partnerships in Patient Care* exhibit, Data Research and Linda Poss took the time to talk about changes in the CQI teams featured in her *HORIZONS* exhibit in Patient Care display. Time, Ms. Poss said, patients wanted to spend less in the coronary admission process.

Focus on the patient lies at the heart of the HORIZONS exhibit funded by the Robert Wood Johnson Foundation-Charitable Trust. The HORIZONS service boards disciplinary groups in the three CQI pilot areas of surgery, and medicine — discuss avenues for change at the 500-bed hospital.

Surgery Service Board studied the pre-admission



The Eberly College of Science Chemistry Department's team is the *Gang of Six: Improvement of Undergraduate Instruction Team*. The team members — faculty and instructors in the department — concentrated on the undergraduate program. Team members are John Lowe (leader) and members Peter Gold, Joe Keiser, Bob Minard, Dick Henry and Peter Jurs.

Photo by Steve Tressler

### Other Quality Circle activities included:

- *Benchmarking: What We Have Learned*, an informal discussion with Gloriana St. Clair of University Libraries and Kathy Kimball of Computer and Information Systems.
- A demonstration of team-building activities led by

Corky Potter and Laurie McLaughlin of the Shavers Creek Environmental Center, and

■ *Life of a Team: How a Group Becomes a Team* with Gerry Browder of the Human Resource Development Center.

"CQI not only changed our product, it changed the mindset of our organization."

Jim Campbell  
team leader,

Conference Registration CQI Team,  
Continuing and Distance Education.

sion process for coronary bypass patients and found that it took almost eight hours; patients spent two of those hours waiting in examination or waiting rooms. The service board recommended changes that reduced the process to 1/2 day.

CQI efforts also helped employees identify \$37 million in cost-cutting measures within their units. "CQI," Ms. Poss said, "provides the framework for employees to consider solutions to problems, and that benefits everyone."

The Hershey CQI teams represented at the Expo were the Radiology Interdepartmental Task Force, the HMC Preadmissions Team, the Transplant Service Board Team, the Perioperative Nursing Team, and HORIZONS Partnerships in Patient Care.

### ▼ Pattee Library Team

#### *Bibliographic Processing Workflow Initiative*

With its colorful mobile of flowcharting symbols, Pattee Library's *Bibliographic Processing Workflow Initiative Team* caught the eye of visitors to Quality Expo '95. It was

the flowcharting of the process of entering new book information into the library's LIAS system that helped the CQI team streamline the process. Team Leader Linda Kimczyk and team members Judy Grove, John Hamilton, Lori Leatherman, and Katherine Strenko determined that by turning to external sources for book information, the library could shorten the time it takes to catalog the more than 70,000 new books each year. The team also found that some process documentation was not relevant and did not improve efficiency.

Judy Hewes is the team's sponsor.

### ▼ Continuing and Distance Education Conference Registration CQI Team

Jim Campbell and Brenna Swires, part of the *Conference Registration CQI Team*, focused on registration. With team members Jack Sinclair and Harold Horton, the team aims "to improve the conference registration process, with special emphasis on improving the quality of documents and notifications" received by participants of the more than 400 C&DE conferences and institutes each year.

By flowcharting the registration process, the team realized it could eliminate 13 steps. In addition, "we had known from phone calls we received from our customers that the materials we had sent out were confusing," Mr. Campbell said. "We improved those materials. We made the information clear, attractive, and professional." At the same time, C&DE reduced the weight of mailings to conferees, resulting in as much as a 50% decrease in mailing costs.

Michael Ostroski is the team sponsor; Fred Loomis is facilitator.



Quality Expo '95 participants joined in a team-building exercise led by Laurie McLaughlin and Corky Potter of the Shavers Creek Environmental Center. The activity was one of the Quality Circle programs held throughout the Expo afternoon.

Photo by Steve Tressler

## Expo

Continued from page 9

announced. At the close of the day, exhibitors enjoyed an ice cream social that featured University Creamery ice cream, and Provost Brighton and Ms. Sandmeyer awarded exhibitors certificates for their participation. Ms. Sandmeyer urged exhibitors to look ahead to next year's event. Expo planners have a head start on the 1996 CQI showcase: Quality Expo '96 will be April 11 in the Nittany Lion Inn Ballroom.

## Participating teams

**EMERY COLLEGE OF SCIENCE**  
Chemistry Department  
Gang of Six: Improvement of Undergraduate Instruction Team

**SHIAL COLLEGE OF BUSINESS ADMINISTRATION**  
Business Logistics  
B LOG 405 TQM Team

**COLLEGE OF AGRICULTURAL SCIENCES**  
Human Resource Services  
Conference Registration Process Team

**UNIVERSITY LIBRARIES**  
Pattee Library  
Bibliographic Processing Workflow Initiative  
ILL Name/turnable Borrowing Team  
Basic Library Skills Team  
Pattee Information Desk Team

**UNIVERSITY LIBRARIES**  
University Archives / Penn State Room

University Archives Process Initiative

**UNDERGRADUATE EDUCATION**  
Division of Undergraduate Studies  
DUS FTAP College Meeting Study Team  
Review of Educational Plans and Registration Team

**UNDERGRADUATE EDUCATION**  
Naval ROTC  
Naval Reserve Officer Training Corps Team

**UNDERGRADUATE EDUCATION / STUDENT AFFAIRS**  
FTAP Project Design Collaboration Team

**STUDENT AFFAIRS**  
University Health Services  
Triage CQI Team  
University Health Services Initiative

**STUDENT AFFAIRS**  
Center for Counseling and Psychological

Services  
CAPS Clinical Services Delivery System Team

**STUDENT AFFAIRS**  
Center for Counseling and Psychological Services (CAPS)  
University Health Services (UHS)  
CAPS/UHS Interface Team

**CONTINUING AND DISTANCE EDUCATION**  
Office of Vice President and Dean  
CQI Staff Assistant Team

**CONTINUING AND DISTANCE EDUCATION**  
CADE Diversity Task Force  
Conference Registration CQI Team

**THE HERSHEY MEDICAL CENTER**  
College of Medicine  
HORIZONS-Partnerships in Patient Care  
Radiology Interdepartmental Task Force  
HMC Preadmissions Team  
Transplant Service Board Team  
Perioperative Nursing Team

**FINANCE AND BUSINESS**  
Corporate Controller  
Campus Financial Officers CQI Team  
Task Forces for Innovation

**FINANCE AND BUSINESS**  
Office of Human Resources  
Employment Division Procedures Team

**BERKS CAMPUS**  
Assessment of CQI Model

**ENROLLMENT MANAGEMENT & ADMINISTRATION**  
COMMONWEALTH EDUCATION SYSTEM  
Undergraduate Admissions Office  
Philadelphia Area Recruitment CQI Team

**ENROLLMENT MANAGEMENT & ADMINISTRATION**  
Educational Abroad Student Grades Team

**ENROLLMENT MANAGEMENT & ADMINISTRATION**  
Office of University Registrar  
Graduation CQI Team

**ENROLLMENT MANAGEMENT & ADMINISTRATION**  
Admissions Office  
Undergraduate Admissions Application Process Team

**ENROLLMENT MANAGEMENT & ADMINISTRATION**

Office of Student Aid  
Office of University Registrar  
Undergraduate Admission Office  
EMA Quality Improvement Initiatives

**CQI STUDENT ADVISORY BOARD**

**OFFICE OF HUMAN RESOURCES**  
Faculty/Staff Health Promotion  
Wellness - CQI Linkages

**CORPORATE CONTROLLER**  
Bursar's Office / Student Loans  
Review Aid / Withdrawal Process Team

**HUMAN RESOURCE DEVELOPMENT CENTER**

**CQI CENTER**

**TOTAL QUALITY COUNCIL OF CENTRAL PENNSYLVANIA**

## Planning Team members

Special thanks to the *Quality Expo '95 Planning Team* members for their time and talents in organizing the day's events. Team members are:

Robin Anderson, Gerry Browder, Jackie Esposito, Jill Harris, Judy Hewes, Kurt Muller, Ginny Newman, Jim Purdum, Donna Schroyer, Barbara Sherlock, Karen Wagner, Jack Winter, and Lynn Yecina.

Quality Expo '95 coverage:  
Stories by Clare M. Kristofco  
College of Engineering



Penn State Board of Trustees member Robert Horst, left, talked with members of the Naval ROTC Naval Reserve Officer Training Corps Team. The Naval ROTC team sponsor is James Jones and the team leader is Barbara Sherlock.



## United Way Campaign leaders named

Lamartine F. Hood, dean of the College of Agricultural Sciences, has been appointed chairperson of the 1995 United Way Campaign by President Joab Thomas.

Timothy M. Curley, athletic director, has been appointed vice chair of the campaign. He will then serve as chairperson of the campaign in 1996.

Dr. Hood, as chair of the University Park Campaign, said he hopes to build upon the successes of the United Way campaigns in the past several years. They have been increased volunteer participation, as well as record money totals raised.

Dr. Hood was vice chair of the 1994 campaign, which was headed by G. David Gearhart, senior vice president for Development and University Relations. Both Dr. Hood and Mr. Curley will work closely with Centre County United Way Campaign leaders throughout the campaign.

In addition to serving as dean, Dr. Hood is director of the Agricultural Experiment Station and director of Cooperative Extension at Penn State. Before coming to Penn State in March 1986, he served on the faculty and in several administrative roles at Cornell University for 18 years.

Outside the University, Dr. Hood serves on the Board of Overseers of the University of Pennsylvania's School of Veterinary Medicine, State Farm Show Commission, State Conservation Commission, State Agricultural Land Preservation Board, and the board of directors of the Center for Rural Pennsylvania. He is past-chair of the Board on Agriculture in the National Association of State Universities and Land Grant Colleges. As a founding director of AGS/AT, a non-profit distance education corporation, he currently serves as the chair of its board of directors.

Dr. Hood is past president of the American Association of Cereal Chemists and a fellow of the Institute of Food Technologists, the professional society of food scientists.

He has a B.S. in dairy science from Penn State, a master's degree in dairy science from the University of Minnesota, and a Ph.D. in food science and biochemistry from Penn State.

Mr. Curley has been a member of the Penn State athletic staff since he joined the department as a graduate assistant football coach. He has been an associate athletic director working in student services, administration of grant-in-aids, football and men's basketball scheduling,



Lamartine F. Hood



Timothy M. Curley

as a liaison to the football and men's basketball programs and principal adviser to James I. Tarman.

He was actively involved in the development of both the Academic Support Center for Student-Athletes and the Penn State Sports Medicine Center.

He earned both a bachelor's and master's degree from Penn State. He served as a graduate assistant coach while pursuing his master's degree in counselor education.

## Loaned executives needed

The 1995 Centre County United Way Campaign leaders are currently seeking loaned executives for the upcoming campaign.

A loaned executive's role is to serve as an extension of staff in planning, implementing and completing successful leadership and employee campaigns within businesses of all sizes and types in the community and on campus. Volunteers from the campus and community are being sought.

Because the volunteer position requires some time dedication, the individual should have some degree of autonomy about scheduling the work day. Time requirements are as follows: 20 hours (8 half days) for training four to eight hours per week for 12 weeks [Pacesetter (optional) campaign - 4 weeks; General campaign - 8 weeks], and attendance at periodic meetings and campaign events.

Loaned executives will be given several responsibilities during this time. They may call upon CEOs, develop new accounts, improve established ones, and assist campaign coordinators in managing their campaigns. They will meet with volunteer campaign leaders and work with United Way staff. Loaned executives speak on behalf of United Way in the community and present the United Way story at employee meetings.

Training sessions will take place in June and July. Volunteers need to be identified by May 25.

Interested Penn Staters can get more information or sign up by calling either the Centre County United Way (238-8283) or University Relations (865-2501).

## CONTINUING DISTANCE EDUCATION

### Penn State is reaching out to Russia

Forty Russian students are learning how the West conducts business in a new program developed jointly by the U.S. Peace Corps, Penn State and the University of Minnesota.

The Russian Distance Learning Project, a cooperative venture between Penn State and the University of Minnesota, is designed to provide a quality American educational experience for Russian university students and professionals working in the private and government sectors.

The project is the first to use distance education technologies to extend American educational programming to people in the Russian provinces, according to Peter K. Forster, assistant director, Department of Distance Education. Other similar programs have involved students from Moscow.

The Peace Corps is working on the project with academic institutions in two cities: Volgograd and Saratov, as well as with Gorky Library and Saratov City Library.

The Peace Corps believes the project is a result of its work in the Russian provinces and American universities with distance education programs were invited to participate in the collaborative project. The Peace Corps selected the two Big Ten universities because of their long-standing traditions of providing high-quality distance education programs, the wide variety of courses they offer and their willingness to use electronic mail as a means of communication between instructors and students, Mr. Forster said.

The initial project runs through Aug. 1, and the U.S. Agency for International Development (USAID) is funding this pilot project. The Eurasia Foundation, a nonprofit organization affiliated with USAID, is considering funding a second pilot project involving 40 more Russian students. A third proposal to fund 40 students is being reviewed by the International Research and Exchange Program.

Penn State faculty members from The Smell College of Business Administration who are teaching their first Russian students as part of this new project are: Ken Butterfield, organizational management 100; Gary Gittings, business logistics 301; Michele LaPlante, security markets 204; and Andrea S. Commaker, legal environment of business 243.

## Penn Staters

Henry S. Albinski, professor of political science and Australian and New Zealand studies, and director of the Australia-New Zealand Studies Centre, has been named a visiting Fellow at the Strategic and Defense Studies Centre, Australian National University. He will go on to Curtin University in Perth, where he has been awarded a Haydn Williams All-University Fellowship, and the inaugural Fellowship of the John Curtin International Institute. His research will focus on western Australia in wider context of Australian external objectives.

Kenneth Knott, professor of industrial engineering, has been elected a Fellow in the World Academy of Productivity Science. The award recognizes professionals throughout the world who have achieved significant results in the field of productivity and quality and performance over a sustained period of time. Currently, there are only 124 WAPPS fellows worldwide.

Digby D. Macdonald, professor of materials science and engineering and director of the Center for Advanced Materials in the College of Earth and Mineral Sciences, has been named a 1995 Fellow of NACE International, the National Association of Corrosion Engineers, in recognition of the sustained contributions he has made to corrosion control.

Robert E. Newnham, Alcoa Professor of solid state science and Kenji Uchino, professor of electrical engineering, presented a two-day seminar on "Smart Materials" in Bangkok, Thailand. The meeting was sponsored by the National Metal and Materials Technology Center, the National Science and Technology Development Agency, and the U.S. Agency for International Development. A three-day tour of Thai universities followed the meeting with talks at Chiang Mai University, King Mongkut's Institute of Technology and Chulalongkorn University.

# The

# ARTS

AT PENN STATE

## Artwork on display

An exhibition of artwork from Cyss Shumskas and Ann Alters is being featured in Hostetter Building on the University Park Campus during May.

Ms. Shumskas' presentation is a retrospective collection of traditional multimedia works and computer-generated pieces.

## Kern exhibits

The Kern Exhibition Area on the University Park Campus is featuring the ceramics of Richard Schwartz and the sculptures and reliefs of Susan Hegan through May 16.

The work of Mr. Schwartz examines the formal, mental and physical levels shared between humans and ceramics and finds new ways to bring people and pots together. Mr. Schwartz is a fourth-year student in the simultaneous degree program, working toward a B.S. in art education and a B.F.A. in ceramic arts.

Ms. Hegan's interpretation of the Station's of the Cross is the feature of her exhibition. She works in the area between sculpture and painting, making polychromed wood sculptures and reliefs of the mythology found within everyday life.

The Kern Exhibition Area is on the first floor of the Kern Graduate building. Exhibition hours are 9 a.m.-11 p.m. Monday through Friday; 10 a.m.-11 p.m. Saturday, and noon-11 p.m. Sunday.

## Photography display

Dorothy Franco will exhibit her photography in Pattee Library's West Lobby Gallery through May 31.

The photographs were taken by Ms. Franco in Soho, Greenwich Village, and lower Manhattan.

She earned a master of arts degree in art history with a photography major from Penn State. She was an assistant librarian at the School of Visual Arts in New York from 1988-1990.

## Pattee displays and lecture

The exhibitions "Trans-Substitutions," "Faces of Eve," and "Sea (IN/EB) Scapes" will be displayed in Pattee Library's East Corridor Gallery through June 9.

"Trans-Substitutions" is a collection of oils, watercolors, Chinese ink and mixed media created by Veronique M. Foti, associate professor of philosophy. "Faces of Eve" and "Sea (IN/EB) Scapes" consist of drawings, oil pastel drawings, and mixed media created by Kay Picart, a doctoral student. A

lecture on both artists' work will be held from 7-8:30 p.m. May 11, in the Library's Tower Room (CA01).

"At the Limen: Of Home and Homelessness" a work by Kay Picart, will also be displayed in the Learning Services Gallery through May 30.

Dr. Foti has previously been on the philosophy faculty of the University of Kentucky, the College of the Holy Cross, and the graduate faculty of the New School of Social Research. She has also held a visiting professorship at the University of Hawaii at Manoa and a Fulbright fellowship in India. Next year she will have a visiting appointment as professor of philosophy at St. Michael's College in Vermont.



**Arts and crafts classes**

The Hetzel Union Center for Arts and Crafts is again featuring "Kids' Summer Arts Camp" with half-day (ages 5-8) and full-day (ages 5-12) options. "Art in August" will again be held at Fairmount School.

The regular late afternoon and evening arts classes for children and adults will also continue. Brochures are available upon request (863-0611) or at the HUB and Kern information desks.

Her work is inspired by numerous artists and diverse environments in which she has spent time.

"Faces of Eve" is an exhibition of works that involve the artist's identity. Fine point studies of ballet figures form a prominent portion of this exhibition. Ms. Picart has also included several images which depict and deconstruct the many faces of Eve. "Sea (IN/EB) Scapes" is also derived from the artist's environment.

Ms. Picart, currently completing a doctoral degree in philosophy with minors in comparative literature and aesthetics, earned a master of philosophy degree in the history and philosophy of science from Cambridge University in England. She also holds a master of arts degree in philosophy and a bachelor of science degree in biology (magna cum laude) from Ateneo de Manila University, Quezon City, Philippines.

## Book Shelf

Mark Fearnow, an assistant professor in the College of Arts and Architecture Department of Theatre Arts, published a book titled, *Clare Boothe Luce, A Research and Production Sourcebook*.

Among the most commercially successful female playwrights of all time, Clare Boothe Luce (1903-1987) is best remembered as the author of "The Women" (1936), a biting social comedy. Dr. Fearnow's book offers the first detailed look at Ms. Luce's dramatic works. A comprehensive survey of her plays and the world's reception of them, the book provides a thorough treatment of her published and unpublished writings, as well as an exhaustive annotated bibliography of reviews and criticism.

The 208-page book, published by Greenwood Press, includes a chronology as well as information of Ms. Luce's life and career, summaries and critical overviews of the work, an annotated primary bibliography, an annotated secondary bibliography, productions and credits, an author index and a general index.

Jack Rayman, director of Career Development and Placement Services, is the editor of and a contributor to *The Changing Role of Career Services*, published by Jossey-Bass, Inc.

The book traces the evolution of the college placement office from a single-purpose administrative unit offering a narrow range of placement services to a center providing a complex array of comprehensive career services.

Dr. Rayman says that all the myriad services and programs of Penn State's career center were collapsed into a single college-level course — call it Job-search 101 — its twin goals would be for the students to understand themselves and to understand the world of work.

"Students need to understand who they are, and what their values, interests and abilities are," he says. "They also have to understand that 22,000 different occupations are available out there; and they have to find the few that fit them best."

"We try to help the students realize that virtually everything they do over their four years of college is going to have an impact on their careers. The earlier they start, the more control they'll have, and the later they start, the less control they'll have. We try to help students understand, right from the beginning, that it's their responsibility to shape their career destiny, and that it's doable."

Dr. Rayman strongly emphasizes the value of internships. In 1992-93, he said, IBM representatives came to campus and interviewed 650 students. Of the 650 interviewees, he noted, IBM hired only 70 — and each one of them had taken part in internships or similar programs that provide on-the-job experience.

Willa Z. Silverman, associate professor of French, is the author of *The Notorious Life of Guy: Right-Wing Anarchist in Fin-de-Siècle France*, published by Oxford University Press.

In the first critical biography written about aristocratic French writer Sibylle-Gabrielle Marie-Antoinette de Riquetti de Mirabeau (1849-1932), Dr. Silverman provides a window into the deep-seated anxieties and political turbulence of turn-of-the-century France, as well as a view of the woman known to readers as "Gyp." Gyp, a self-proclaimed anti-Semite and anti-Republican, denounced corsets and arranged marriages, but repudiated suggestions that she was a feminist. Drawing on previously unpublished correspondence and other documentation, Dr. Silverman looks beneath Gyp's many scandals to reveal the psychological and political conflicts in her makeup.



# UNIVERSITY PARK CALENDAR



"A Place of Pine needles"

The works of Vénique Föll, associate professor of philosophy, are on display through June 9 in Pattee Library's East Corridor Gallery.

## SPECIAL EVENTS

**Friday, May 12**  
Spring Commencement, through May 14.  
**Sunday, May 14**  
Mother's Day  
**Tuesday, May 16**  
Professional Women, 11:45 a.m., 102 Classroom Bldg. Gerald Santoro will introduce books to help users find the resources on the World Wide Web.  
**Sunday, May 21**  
Film, 1 p.m., Palmer Lipson Aud. "Nam'tin Maymuru: Nam'tin at Djarakak."  
Film, 2 p.m., Palmer Lipson Aud. "Images of Man."

## CONFERENCES

**Sunday, May 14**  
Utilities, Consumers, and Public Policy IV, 450 attendees, The Nittany Lion Inn. Through May 17.  
**Monday, May 15**  
Pennsylvania Junior Academy of Science, 2,800 attendees, University Residence Halls. Through May 16.  
Preparation Course for Certification As a Mine Instructor, 14 attendees, The Penn State Scanticon. Through May 17.  
Transforming Classrooms through Technology, 80 attendees, The Penn State Scanticon. Through May 17.  
Police Supervisor In-Service Training, 22 attendees, The Penn State Scanticon. Through May 19.  
**Wednesday, May 17**  
**Thursday, May 18**  
CAD for Mine Planning, 15 attendees, The Penn State Scanticon. Through May 19.  
**Friday, May 19**  
Recent Developments in Personality Assessment Techniques, 80 attendees, The Penn State Scanticon. Through May 20.  
Invitational Research Conference in Distance Education, 75 attendees, The Penn State Scanticon. Through May 21.  
■ German Heritage Society Weekend, 50 attendees, The Nittany Lion Inn. Through May 21.  
Pennsylvania Relations Convention, Nittany Lion Inn.  
Statewide Rotary Convention, Nittany Lion Inn. Through May 20.  
**Sunday, May 21**  
Association of Pennsylvania Municipal Management Conference, Nittany Lion Inn. Through May 24.

**Monday, May 22**  
49th Annual Tax Conference, 200 attendees, The Penn State Scanticon. Through May 24.  
Mine Cost Analysis and Control, 12 attendees, The Penn State Scanticon. Through May 24.  
**Tuesday, May 23**  
Mammalian Cell Culture Methods, 11 attendees, The Nittany Lion Inn. Through May 26.  
V.M. Goldschmidt Conference, 400 attendees, The Penn State Scanticon, Days Inn Penn State, The Nittany Lion Inn, University Residence Halls, Hampton Inn. Through May 27.  
**Friday, May 26**  
East Coast Volleyball, 2,600 attendees, University Residence Halls. Through May 29.

## EXHIBITS

**Hostetter Building:**  
Artwork from Cyss Shumkas and Ann Alters.  
A retrospective collection of traditional multimedia works and computer-generated pieces. Through May.  
**HUB Browsing Gallery:**  
The oil paintings on canvas and wood of contemporary artist Bill Stamos. Through May 14.  
**Kern Fiat Cases:**  
"Lydia Dambekins Jewelry." Through May 16.  
Kern Panels:  
"Susan Hegan Installation Art." Through May 16.  
**Kern Tall Cases:**  
Richard Schwartz Ceramics." Through May 16.  
**Palmer Museum:**  
"Gift to Celebrate the New Museum," through July 16.  
■ Dreamline: Australian Aboriginal Art from the collection of John W. Kluge, through July 16.  
**Pattee**  
**West Lobby Gallery**  
Dorothy Franco Photography. Through May 31.  
**East Corridor Gallery**  
Véronique Föll's "Trans-Substantiations," and Kay Picard's "Faces of Eve" and "Sea(IN)E." Scapes. Through June 9.  
**Penn State Room:**  
"The Penn State Press Book Collection," through May 15.  
■ Reflects an International perspective.

## College of Agricultural Sciences ranked in nation's top 10

The College of Agricultural Sciences is one of the nation's top 10 agricultural science colleges, according to a study conducted by the newsletter *Science Watch*. The ranking is based on the number of citations in scientific journals indexed by the Philadelphia-based Institute for Scientific Information.

The college ranked 10th in the number of citations per published scientific paper. Research citations were tabulated over a 13-year period, from 1981 to 1993.

"This indicates that the scientific community draws heavily upon work conducted by researchers in the College of Agricultural Sciences," Lamarite Hood, dean of the college, said. "Our college is a national leader among agricultural science research institutions."

*Science Watch* also compared citations-per-paper scores to the world average score for each discipline. The College of Agricultural Sciences scored 40 percent higher than the

world average for agricultural science colleges.

Other top-10 universities with agricultural science programs, in order of ranking, were University of Wisconsin, Madison; Cornell University; University of Minnesota; University of Illinois, Urbana-Champaign; University of California, Davis; North Carolina State University; Iowa State University; Purdue University and Michigan State University.

More than 100 universities in the United States were part of the study, which focused on disciplines in the biological sciences, including the agricultural sciences, biology and biochemistry, clinical medicine, ecology and the environment, immunology, molecular biology and genetics, neuroscience, pharmacology and plant and animal science.

Results of the study are published in the October and November 1994 issue of *Science Watch* and in the February 20 issue of *The Scientist*.

## Scanticon conference to look at Pennsylvania's information infrastructure

A conference examining the current state of Pennsylvania's information infrastructure is set for June 6 at The Scanticon Conference Center Hotel at University Park. This Pennsylvania Information Highway Consortium Conference titled "The Information Highway — Positioning Pennsylvania for the Future" will present an unbiased look at the current status and the future of advanced telecommunications interconnectivity and accessibility in Pennsylvania.

The day-long conference will look at the economic and social risks involved in not managing the emerging information infrastructure and will establish an awareness among Pennsylvania leaders from government, business, education, health care and other areas of the need to commit to the development of the Commonwealth's infrastructure.

Highlights of the conference will include:

■ An overview of the initiatives in Pennsylvania: Experts from around the state describe specific applications of the advanced information and communications technology.

■ Bench marking with other states: Executives from leading states in the nation, such as Iowa, Michigan and North Carolina, will report the policy and project developments of key statewide networking initiatives, related costs and potential funding.

■ Create action plans: Participants will focus on detailed subject-specific discussions and establish a set of recommendations to be included in a conference action report.

A variety of Pennsylvania leaders have been invited to share information on the subject, including David W. Rolka, PUC commissioner, Toni Carbo Bearman, dean and professor of the School of Library and Information Science at the University of Pittsburgh, Floyd W. Warner, president, Pennsylvania Chamber of Business and Industry, and others.

Ellwood R. Kerkelager, vice president of technology and infrastructure, AT&T, will give the keynote address sharing his extensive experience in the development and application of computer and communication technology in the U.S. information infrastructure. In his present position he is responsible for AT&T's policy development in all areas of technology and infrastructure and is AT&T's principal spokesman on the National Information Infrastructure Committee.

Sponsored by Penn State, the Pennsylvania Chamber of Business and Industry, and the Pennsylvania Information Highway Consortium — a non-partisan, not-for-profit organization of Pennsylvania businesses, institutions, government and private citizens — the conference runs from 9 a.m. to 5 p.m. For more information about registration for the conference, contact Janet Patterson at (814) 863-5127.

Highlight on Undergraduate Education

## Students help University overcome architectural barriers

Recreation and Parks students got a very real understanding of the problems of architectural barriers at the University Park Campus this semester.

And, in serving as accessibility inspectors as part of a class project, they assisted the University in its facilities audit process.

"Giving the students hands-on experience turned out to be a very, very successful project for the class," Monty L. Christiansen, associate professor of recreation and parks, said. "It made the issues of architectural barriers real to the students rather than an abstraction by just looking at drawings and charts and hearing someone talk about them."

"As a result, I believe my students are much more aware of architectural barriers in the environment and much more aware of how these are limitations to those with a variety of physical impairments."

Those involved in the accessibility project were students in Recreation and Park Management 470, Park Facilities Management, a senior-level course taken predominantly by students specializing with a career focus in management of indoor and outdoor recreation facilities.

"As part of the course, which I teach every spring," Professor Christiansen said, "the students study a number of important management processes and I show them that there is application for a number of management crises to be solved through these processes. One of the issues in the recreation field is accessibility."

To ensure that his students would have a general understanding of accessibility, Professor Christiansen invited Mary Franks, the University's ADA coordinator, to make a guest presentation on how the University was resolving compliance requirements of the Americans with Disabilities Act (ADA).

"As we talked, I began to see an opportunity to have students learn by application rather than just being told what the University had done," Professor Christiansen said. "We then involved James L. Lettiere, manager of space planning and management facilities resources, and Stewart Koontz, maintenance inspector, both in physical plant, in developing a study model for the class in which the students studied federal regulations for required audits, particularly ADA audits."

Ms. Franks and Mr. Lettiere outlined the Penn State accessibility audit process and trained class members to become accessibility inspectors. The class was then assigned to do an accessibility audit for the White Building.

"We chose the White Building," Professor Christiansen said, "because of its facilities—a swimming pool, gymnasium, spectator seating, meeting rooms, public hallways, elevators, and the

adjacent HUB parking terrace. It is very comparable to a community recreation center that students might be exposed to after graduation."

In a three-hour lab evaluating the building, class members used checklists and special instruments prepared specifically for the University audit to measure compliance with minimum widths and maximum ramp gradients. Following the evaluation, they developed a prioritized list of items found to be in noncompliance.

According to Professor Christiansen, there was



Entryway access

Students of Monty Christiansen's recreation and park management course got a taste of the real world of facilities design through a project to help make the White Building on the University Park Campus accessible to everyone. Here, Dave Moore, Brenda Miles, Jason Sirech and Mike Kennitz measure the doorway and look at the ease of wheelchair entry.

Photo: Greg Grieco

a great deal of agreement in the students' list and one previously prepared by the University.

"That, to us, seemed to verify the reliability of the checklist," Mr. Lettiere said. "If evaluation of the White Building on two different occasions by two different groups found the same problems, we felt it was a good instrument."

Following completion of the project, one of the students, Brenda Miles, was tapped by the Office of Physical Plant to assist in following up on the self-assessment facility survey that has been implemented for all of the University's buildings.

In addition to becoming more aware of architectural barriers, Professor Christiansen feels the

project also enabled students to learn that all identified problems can't be solved overnight.

"I think the class saw that a logical plan has to be developed and that you handle the most critical problems first. Also, they saw that, in the process of solving the problem, you have to deal with budget ramifications."

"They learned that retrofitting a facility to comply with ADA requirements often is more expensive than designing a facility that is architecturally barrier free."

Professor Christiansen has expanded the hands-on approach of the accessibility project to other issues in the class, including maintenance management—with a visit to the University's Physical Plants Building—to learn about custodial training, and aquatic facility management—by arranging for the students to be given the state certification examination for pool managers.

"I'll continue this approach by doing as many practical applications as assignments as I can," he said. "I believe that the more students can learn by doing, the better their learning experience will be."

— Bill Campbell

## Penn State surpasses Michigan in number of donors

More Penn State alumni are making gifts to their university than are the alumni of any other public university in the nation, including those of the Big Ten, according to a survey released this week by the Council for Aid to Education.

Nearly 20 percent of the 330,000 addressable Penn State alumni — 62,219 — made gifts in fiscal year 1994 totaling \$20.3 million. Both the number of alumni donors and rate of participation surpassed last year's Big Ten leader, the University of Michigan, which dropped to second place in the annual ranking. The Ohio State University came third, followed by Indiana, Purdue, and the rest of the public universities in the conference.

"We've reached this distinction through the dedication and generosity of thousands of Penn State alumni, and we are deeply grateful," said G. David Gearhart, senior vice president for Development and University Relations. "Since we concluded the first Campaign for Penn State in 1990, we have concentrated on increasing the number of benefactors to the University. The rate of participation by alumni was 16 percent five years ago. It is worth noting that we've increased it substantially, even though it is a moving target: we graduate more than 10,000 'new alumni' each year."

### BIG TEN PUBLICS

University	Alumni donors	% participation
Penn State	62,219	19.9
Michigan	59,808	18.0
Ohio State	50,152	16.6
Indiana	43,370	14.4
Purdue	42,159	15.3
Wisconsin	38,984	14.6
Illinois	38,614	10.5
Minnesota	37,933	12.0
Michigan State	31,597	9.5
Iowa	20,539	11.6

\*Northwestern University, also a member of the Big Ten, is a private institution.



## Partings

### Assistant v.p. retires with 25 years service

M. Lee Upcraft, assistant vice president for student affairs, has retired with emeritus rank after 25 years of service.

Dr. Upcraft's accomplishments include: creating the first Student Assistance Center in 1970, the Office of Veterans Affairs in 1971, the Handicapped Student Affairs Office in 1982, and the Center for Women Students in 1984; helping to initiate the Returning Adult Student Center in 1982; initiating a student legal counselor position in 1971; developing the Interest House Program in residence halls.

During his career at Penn State, he also has served as assistant vice president for counseling and health services, director of residential life programs, director of the Student Assistance Center, acting dean of students, director of student activities, and co-director of A.P. He also was a senior member of the graduate faculty, an affiliate professor of education and a senior research associate in the Center for the Study of Higher Education.



M. Lee Upcraft

Dr. Upcraft said his most enjoyable and satisfying experiences at Penn State include "the opportunities I had to spend time with the students over the years, both in the classroom and outside the classroom," the residence hall assistants training course he developed, "which subsequently became the source for a couple of books I wrote," the opportunity to help start several programs, centers and agencies, and the opportunities for teaching and writing.

He has written or edited eight books and monographs, 27 book chapters, and several journal articles. He is the principal author of two books: *Residence Hall Assistants in College and Learning To Be a Resident Assistant*.

Dr. Upcraft was named a senior scholar by the American College Personnel Association in 1993. He is currently engaged in research for the Center for the Study of Higher Education and this fall will teach a seminar (Higher Education 101) that is designed to help first-semester students make a successful transition to college.

His wife, Lillian, is a business education teacher in the State College Area School District. Their son, John, was the first to receive a baccalaureate degree from the Pennsylvania College of Technology, Williamsport, which is affiliated with Penn State, and their daughter, Kirsten, is an assistant director of residence life at Bloomsburg University.

### Number of employees retire

John H. Best, professor of education, College of Education, from Aug. 1, 1977, to April 1.

Robert D. Bierly, maintenance worker, Utility, Office of the Physical Plant, from Feb. 11, 1980, to April 1.

Eleanor E. Brower, nutrition adviser, College of Agricultural Sciences, from March 17, 1980, to April 1.

Howard C. Conklin, dairy products professor, College of Agricultural Sciences, from Jan. 2, 1979, to April 1.

Nancy J. Hockenberry, residence hall utility worker, Housing and Food Services, from Jan. 11, 1984, to April 1.

Marilyn M. Howard, program aide, Penn State Delaware County Campus, from Aug. 17, 1983, to April 19.

Gaile L. Miller, staff nurse, The Hershey Medical Center, from Feb. 5, 1973, to July 26, 1980, and from Sept. 4, 1985, to April 2.

Harry R. Mothersbaugh, manager, Mushroom Research Center, College of Agricultural Sciences, from Jan. 1, 1970, to April 1.

Jean M. Rose, telemarketing specialist, The Smeal College of Business Administration, from Jan. 8, 1979, to April 1.

Ann L. Rowe, staff assistant VI, Penn State Berks Campus, from Nov. 12, 1980, to April 1.

Gladys E. Sampsel, janitorial worker, Office of the Physical Plant, from Sept. 15, 1975, to April 1.

Ella Mae Schiefer, staff assistant VI, Penn State Harrisburg, from Aug. 6, 1979, to April 1.

Dorris E. Tinker, associate professor of pediatrics, The Hershey Medical Center, from Sept. 24, 1979, to April 1.

Delores J. Vonada, coordinator, Student Services, School of Communications, from Oct. 28, 1981, to April 1.

### Purchasing officer ends 22-year career

Richard L. Crowley, University purchasing officer, has retired after 22 years service.

Before being named in 1982 as purchasing officer, Mr. Crowley served as assistant vice president for Business Services where he was responsible for operation of the departments of Purchasing, Airport Operations, Fleet Operations, and General Services. He also held the position of director of purchasing for the University.

After working in medical research, Mr. Crowley began his career in purchasing in 1964 when he accepted a position as assistant purchasing agent, specializing in the scientific area, at Brown University in Providence, R.I. Before coming to Penn State in 1972, he also served for four years as director of purchasing at the Children's Hospital Medical Center in Boston.

Mr. Crowley has published scientific papers and articles on medical research, and has presented many papers to local, regional and national meetings of the National Association of Educational Buyers, an association serving the business side of higher education with more than 2,000 member institutions. He has served on the Long Range Planning Committee for that association and has also held the positions of second, first and senior vice president for

its board of directors. In 1984, he served as president of the NAEBS.

In 1993, he received the NAEBS's Bert C. Ahrens Achievement Award, the association's highest level of recognition for outstanding, long-term contributions to higher education. From 1990-93, Mr. Crowley was named to *Who's Who in American Education*, and currently serves as chairman of the Regional Minority Purchasing Council of Central Pennsylvania.

Mr. Crowley is a commandant in the Marine Corps League and is a member of the Marine Corps Leathernecks. He is on the board of the American Legion Post 245.

He and his wife, Barbara, have four children: Richard Jr., David, Mark and Linda, and nine grandchildren.



Richard L. Crowley

### English professor retires with emeritus status

Paul West has retired as professor emeritus of English and comparative literature after 32 years service.

During that period, he published more than 30 books, including 13 novels, eight of which have been cited by *The New York Times* as "Notable Books" of the year. Over the last decade, he has received awards from the Institute of Arts and Letters and the National Endowment for the Arts, a Best American Essay Award, a Governor of Pennsylvania's Hazlett Memorial Prize for Excellence in the Arts, the Aga Kahn Prize for Fiction, a Pushcart Prize, and Guggenheim Fellowship.

Professor West was named a Literary Lion of the New York Public Library and served as a Fiction Judge for the National Book Awards. He also has been asked to speak in Paris as a guest of the French Government.

In 1991 a special issue of the distinguished *Review of*

*Contemporary Fiction* was designated a Paul West issue, and in 1993 Daniel W. Madden published a book-length study titled *Understanding Paul West*.

In 1993 Professor West also received the Lannan Prize for Fiction. In its citation, the Board of Directors and the Literary Committee of the Lannan Foundation wrote, "We honor your bold, prolific, and inventive imagination, as well as your ability to recreate through sensually evocative language people and places long lost."

Professor West also was a master teacher of writers, and many of his students have gone on to successful writing careers. Last year, this life-time achievement was honored by the Northeast Association of Graduate Schools, which made him the recipient of its Graduate Faculty Teaching Award.

## Awards

### Five in College of Education honored

The College of Education has recognized five of its faculty and staff for their outstanding contributions to the college and to the University.

Eileen Pennisi, staff assistant in the Instructional and Technological Support Services Office, received the New Professional Award for Support Staff. The award is designed to reward the new staff member who is just beginning a career in the College of Education and who is outstanding in all job duties, professional, and dedicated.

Ms. Pennisi earned an associate degree in secretarial and business sciences at St. Joseph Junior College, and currently is a bachelor of science candidate in the management science and information systems program at Penn State. Former service to Penn State includes the Office of Planned Giving in the Division of Development and University Relations and the Student Organization Resource Center.

The Support Staff Recognition Award was presented to Edie Sodergren, staff assistant in the Department of Curriculum and Instruction. It recognizes outstanding service and commitment to faculty, staff, and students of Penn State.

Ms. Sodergren is a graduate of Penns Valley Area High School and has done post-diploma work at Penn State. She has worked in the college, either part-time or full-time, for the past 23 years.

Donna Nicely, coordinator of grants and contracts, was honored with the Excellence Award, given each year to the individual who exhibits dedication, excellence, outstanding leadership, enthusiasm, and exemplary service to Penn State.

Her background includes an associate degree in let-

ters, arts and sciences from Penn State. Before joining the College of Education, she served in the College of Engineering.

The Outstanding Faculty Award was initiated to recognize individuals who are dedicated to outstanding advising, teaching, research, and service within education. William Milheim, assistant professor of instructional systems, received the award this year.

Dr. Milheim earned his Ph.D. in curriculum and instruction and M.Ed. in community health education from Kent State University. His B.A. in psychology was completed at the College of Wooster in Ohio. Prior to coming to Penn State in 1991, he served as assistant professor of mathematics and computer science and assistant director of the Institute for Interactive Technologies at Bloomsburg University.

Joseph French, professor in charge of school psychology in the Department of Educational and School Psychology and Special Education, was presented with the Career Achievement Award. It is designed to recognize superior leadership, scholarship, teaching, and research in education—to celebrate careers of tenured faculty within the College of Education.

Dr. French has been with Penn State since 1964, after almost 15 years of work in the field of education at other institutions such as Illinois State University and the University of Nebraska. His education includes an Ed.D. from the University of Nebraska and M.S. and B.S. degrees from Illinois State University. He has been consistently active in the areas of research, teaching and service. His contributions to the education of psychologists are numerous.



#### Twenty-five years of artificial heart research

Dr. William S. Pierce, Evan Pugh and Jane A. Fetter professor of surgery and chief of cardiothoracic surgery at The Hershey Medical Center, was honored by colleagues at a recent symposium for his role in the artificial heart. Dr. Pierce organized his team to design artificial hearts in 1970 when he joined Hershey. From that blossomed a pioneering, world-class program in artificial heart research.

Photo: Courtesy of The Hershey Medical Center

### Assistant professor's design earns acclaim

William P. Bahnfleth, assistant professor of architectural engineering, has won an international building performance award from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) for the design of a thermal storage addition for the central cooling system at Cornell University.

His design, executed while a senior consultant for ZBA, Inc., in Cincinnati, Ohio, is saving over \$300,000 annually in energy costs.

ASHRAE Technology Awards recognize outstanding building performance in the areas of occupant comfort, indoor air quality and energy conservation.

### Goldwater Scholarships awarded to three here

The Barry M. Goldwater Scholarship and Excellence in Education Foundation announced that three Penn State sophomores are among the 285 students nationwide to win the highly competitive scholarships for their last two years of study.

The Goldwater Scholarships, which fund full tuition, books, fees and room and board are federally endowed to foster and encourage outstanding students to pursue careers in mathematics, the natural sciences and engineering. More than 1,300 applied this year.

Bryan Jacoby of Johnstown is majoring in physics as well as astronomy and astrophysics.

David Gutman of Richboro is majoring in chemistry.

Eric Snyder of Painted Post, N.Y. is majoring in biology in the genetics option.

### National panel recognizes Penn State research work

Work by the National Center on Postsecondary Teaching Learning and Assessment (NCPTEA) at Penn State, has been cited by the National Education Goals panel.

The center, headed by James Ratcliff, professor of education and director of the Center for the Study of Higher Education, was honored along with the National Center for Higher Education Management Systems for its efforts in collecting "national information on critical thinking and problem-solving in higher education."

Goal 6 of the National Education Goals states that

"by the year 2000, every adult American will be literate and will possess the knowledge and skills necessary to compete in a global economy and exercise the rights and responsibilities of citizenship."

In a letter to Dr. Ratcliff, Indiana Governor Evan Bayh, chair, National Education Goals Panel, said "the nation's chances of successfully achieving this goal are, to a large extent, dependent upon the knowledge and skills acquired by our college graduates."



David A. Edwards

David A. Edwards, associate professor of chemical engineering, is the recipient of the 1995 Ebert Prize awarded by the American Pharmaceutical Association (APHA).

Established in 1873, the Ebert Prize is the oldest pharmacy award in the United States. It recognizes the best report of an original investigation of a medicinal substance published in the *Journal of Pharmaceutical Sciences* each year.

Dr. Edwards was senior author of the paper, "A Linear Theory of Translational Transport Phenomena."

Robert Langer, of MIT, is a co-recipient of the Ebert Prize and co-author of the paper, which was published in September 1994.

Dr. Edwards has published 37 research articles on the general subjects of applied mathematics and transport phenomena, most recently with biomedical application to human lungs, skin and living cells. He is the co-author of the textbooks *Interfacial Transport Processes and Rheology* and *Macromolecular Transport Processes*.

### Engineering professor honored by *Discover* magazine

An aircraft inspection device invented by Joseph L. Rose, a Paul Merz professor in engineering science and mechanics, has been honored as one of five finalists in the Aviation and Aerospace category in the 1995 *Discover* Magazine Awards for Technological Innovation.

The device will be on display for a year at *Discover* magazine's interactive showcase at Innovations, a new exhibit '95 pavilion in Walt Disney World. It will also be featured in the June issue of *Discover* magazine which hits newsstands May 15.

Dr. Rose and his team developed the new device, a hand-held ultrasonic probe, to detect cracking, corrosion and delamination that could cause an aging aircraft to come apart at the seams in flight. It was featured on the April 27 *Discover* magazine page 100.

According to the Walt Disney Co., which publishes *Discover*, the awards "recognize breakthrough technologies and honor the men and women whose creative genius improves the quality of everyday life."



## Predicting carpal tunnel syndrome

Computer Model Helps Predict Incidence Rate, Used To Develop Risk Index

A computer model based on the dynamics of a wrist's tendons can closely predict the incidence rate of carpal tunnel syndrome in workers and can show which tasks increase the likelihood of damage and injury to the wrist or hand.

Cumulative trauma disorders are major problems in industries that rely on workers to perform repetitive motions throughout their shifts.

The computer model can help firms redesign tasks where workers face a high risk of developing carpal tunnel syndrome, said Andris Freivalds, associate professor of industrial engineering. He and graduate student Scott Miller developed the model.

The researchers used the model to predict incidences of carpal tunnel syndrome for a poultry operation where each worker removed an average of 3,780 turkey thigh bones per eight-hour shift. The model's predictions closely matched previously reported incidence rates of carpal tunnel syndrome for poultry thigh-boning, Dr. Freivalds said.

The model also showed that greater grip force and increased wrist angle individually and interactively increased the likelihood of cumulative trauma. Wrist extension was shown to be more dangerous than wrist flexion. Women were shown to be more susceptible to carpal tunnel syndrome than men.

The researchers used the model to develop a risk index to indicate which jobs produce the most tendon stress injuries. The higher the score, the greater the injury risk.

Jobs with higher risk indexes come from a range of production industries, including chicken or poultry processing, animal-hide tanning, meat packing, cookie baking, carpet making, metal manufacturing and molding of plastics.

"In these jobs, tendons bend regularly, becoming inflamed over time," Dr. Freivalds said. "This leads to swelling and loss of feel-



Andris Freivalds and a student discuss the risk index.

Photos: Steve Tressler

ing in the wrist and hand. It's like the workers are playing tennis eight hours a day for five straight days.

"We suggest that the higher the risk index, the more the job has to be redefined. Somehow, there has to be a way for the body to recover from the stress."

Carpal tunnel syndrome refers to sore, tender or weak thumb muscles caused by pressure on the median nerve where it goes through the carpal tunnel, a wrist canal of bony fibrous material through which the flexor tendon also passes.

"Most research on predicting carpal tunnel syndrome has focused on personal and job attributes that may increase the likelihood of injury," Dr. Freivalds said. "With few exceptions, modeling didn't focus on the actual injury mechanism in the microtrauma of tendons."

The model pits tendon strength versus stress applied to it to predict both when the tendon will fail and the number of incidences of carpal tunnel syndrome for a given job.

Model parameters include frequency and force of a



The glove, worn to determine wrist movement.

task's movements, wrist posture, and the number of times the tendon bends.

"This model is especially useful for industry because it requires only two relatively simple measurements—grip force and wrist angle—that are easily collected on the actual job site," Dr. Freivalds said.

On-the-job studies have indicated that women are between two and 10 times more likely than men to suffer from carpal tunnel syndrome.

"Some of this difference may be due to the fact that

repetitive jobs are more likely to employ women than men," Dr. Freivalds said.

"Our model shows that women, due to smaller wrist sizes, are biomechanically more susceptible than men to carpal tunnel syndrome."

The model uses wrist thickness to calculate tendon movement, which is used to find the wrist's curvature radius. A smaller radius of curvature, found in women compared to men, results in greater stress on the tendon.

—Scott Turner

## Research

### Roundup

Finding reasons for early fetal loss

The age-related decline in ability to have children may be due to early fetal loss rather than an inability to conceive, according to a University anthropologist.

It appears that age does not affect conception as much as it increases the probability of a high-risk conception that terminates early," Darryl Holman, doctoral candidate in anthropology, said.

Mr. Holman suggests that future research in assisted pregnancy might benefit from the careful screening of harvested eggs for genetic defects before in vitro fertilization.

The results of his study indicate that 18-year-old women have a 63.6 percent change of fetal loss with each conception, 28-year-olds have an 85 percent change of loss, 38-year-old women a 95.5 percent change, and 48-year-old women a 98.7 percent change.

The researchers believe the increase in fetal loss with age is due to an increase in more high-risk conceptions—an increase in genetic abnormalities in the eggs with age.

### A cure for cancer: Garlic???

A compound in garlic shrinks tumors from human colon cancer cells transplanted into mice.

The finding adds to a growing body of evidence that garlic can suppress human cancer cells in test animals. Colon cancer is one of the most common human cancers.

Sujatha Sundaram, a doctoral student in nutrition, in her study describes how diallyl disulfide (DADS)—an oil-soluble sulfur compound in processed garlic—shut down or killed human colon cancer cells in mice.

Ms. Sundaram and co-researcher John Milner, head of the Nutrition Department, think the anti-tumor effect of DADS relates to its ability to alter cancer-cell sulfur compounds linked to cell division. The change in mineral balance likely contributes to a shutdown of cell growth.

## Intercom publication information

Front page stories and other portions of *Intercom* are available electronically through: OAS, Emc2, CAC, PSUM accounts or Penn State Gopher.

Publication dates for *Intercom* for the remainder of the year are May 25, June 8, June 22, July 6, July 20, and Aug. 3. A new schedule will be published in July.

Deadline for submitting copy to *Intercom* is noon Wednesday, one week and one day prior to the date of publication. Information may be submitted via e-mail or on disk. If submitting by disk, please include name and return address on the outside of your disk. Information submitted to *Intercom* for publication must be accompanied by the name of a person to contact for verification.



### Moving along

This aerial view of the work being done on the Bryce Jordan Center shows the roof is almost on the 16,500-seat facility. The projected opening for the center, which will be the site of academic, athletic and entertainment events, is January 1996.

Photo: Dave Shelly

## Obituaries

Gerald M. Phillips, 66, professor emeritus of speech communication and a prominent researcher and writer in his field, died April 26.

Dr. Phillips chronicled his decade-long struggle with heart disease in a book co-authored earlier this year with Robert Werman, *Living With Heart Disease*. It is the 45th book of his career. Several additional books, including a biography, are in various stages of production. He also published more than 100 articles in journals and scholarly books.

Dr. Phillips earned his B.A., M.A. and Ph.D. from Case Western Reserve University. In addition, he held visiting professorships at the University of Denver, Northwestern University, Portland State University and the University of North Carolina—Chapel Hill.

During his time teaching at North Dakota Agricultural College, Washing-

ton State University and Penn State, Dr. Phillips directed more than 120 master's and doctoral degrees. He taught at Penn State for 27 years.

In the 1980s he began to teach undergraduate courses, graduate courses and group discussions in speech communications by computer from his home. He experimented with giving assignments, answering questions and grading the work of hundreds of students, all through electronic mail.

During his career, Dr. Phillips developed courses aimed at helping reticent public speakers, and in 1981 he published the book *Help for Shy People*.

Other books he authored include *Communicating with Your Doctor* (1988, with J. Alfred Jones, M.D.), *Teaching How Groups Work* (1990) and *Communication Incompetence* (1990).

A native of Cleveland, he is the son of the late Oscar and Henrietta Swimer

Phillips. He is survived by his wife, the former Nancy F. Koslen, four children: Dean Richard, of Philadelphia, Judith Miriam, of St. Paul, Minn., Ellen Rose Prydecker, of Wilmet Flat, N.H., and Abigail Beth Karp, of East Quogue, N.Y., and six grandchildren.

A memorial service will be announced at a later date.

Alvin R. Grove, associate dean, Commonwealth Campuses and Continuing Education/professor of science, Eberly College of Science, from Sept. 1, 1941, until his retirement July 1, 1979; died March 16. He was 80.

Zita C. Miller, clerk A, Penn State Altoona Campus, from Jan. 3, 1972, until retirement Jan. 1, 1991; died March 20 at the age of 66.

Robert D. Murawski, senior engineering aide, Applied Research Lab; since Sept. 25, 1989; died April 14 at the age of 55.

Bessie A. Nettles, accounting clerk, Accounting; from Feb. 1, 1953, until her retirement July 1, 1969; died March 29 at the age of 87.

Joann M. Singer, staff assistant V, College of Earth and Mineral Sciences; since Jan. 4, 1982; died April 11. She was 58.

Louis Stanislawski, painter, Penn State Harrisburg; from March 26, 1969, until his retirement Nov. 4, 1980; died March 17 at the age of 75.

Charles E. Stefanowicz, community service officer, Penn State Hazleton Campus; since March 13, 1972; died March 26. He was 47.

George R. Thomas, letterpress printer, Office of Business Services; from March 21, 1961, until his retirement Nov. 1, 1979; died March 14. He was 79.

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# INTERCOM

May 25, 1995

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## Rejuvenating the scenery

Scott Wollar, from the Office of Physical Plant, runs a backhoe near Old Main on the University Park Campus as he removes tree roots. The work is part of a project to restore the landscape to its former grandeur, allowing a better look at the facade of Old Main. Plantings that will not obscure the view of Old Main are scheduled to be in place by June 1.

Photo: Greg Grieco

## Trustees give nod to interim budget

The Board of Trustees has approved an interim maintenance and operating budget for the fiscal year beginning July 1.

The interim budget was approved at the level of the 1994-95 Total Operating Budget of \$1,505,750,000 for all divisions, including The Milton S. Hershey Medical Center and all auxiliary enterprises.

"Since we are not sure what the state appropriation will be for the University, a final budget is not yet available for the board's approval," Gary Schultz, senior vice president for finance and business, said. "Therefore, the University will need an approved interim budget to enable it to operate into the new fiscal year, which starts July 1."

The interim budget was approved with the recommendation that no action be taken at this time on changes in tuition, salaries and wages, staff benefits or other necessary expense increases.

The University's final 1995-96 Total Operating Budget will be submitted for approval at the July 13 board of Trustees meeting, assuming that the state appropriation is clarified by that time.

## Medical Center snuffs out smoking on campus

In a move to promote healthy living, The Hershey Medical Center will soon join the growing ranks of health care facilities, businesses, restaurants and public areas that have kicked the habit.

Although smoking has not been permitted in the buildings at Hershey for nearly four years, on July 1 smokers will no longer be permitted to light up anywhere on the 550-acre campus that includes the medical center complex. This comprehensive policy also applies to all owned and leased off-site locations, including the Penn State Community Health Center and Hershey

Obstetrics and Gynecology Associates facilities. And don't even think about taking a puff in a University owned or leased vehicle — they're off limits too.

"We're committed to providing a smoke-free environment for patients, staff and visitors because it is consistent with our mission as an academic health center," Caroline Power Gangl, a member of the Committee for a Smoke-Free Campus, said. "Smoking is a major contributing factor in many deadly diseases. We feel it is our obligation to promote healthy living practices, which include abstinence from smoking."

The policy, in the works for a year-and-a-half, will affect nearly 280,000 people at the facility, including staff, students, residents and patients. Visitors, who must also follow the policy, are not included in this total.

"There are mixed reactions to this new policy," said Ms. Power Gangl, who is responsible for community outreach and in-house awareness programs. "For the most part, people are trying to be understanding and we realize this is going to necessitate a behavioral change. You can't institute something like this overnight. That's

why we began publicizing the policy more than a year ago."

To help smokers cope with the inevitable, the medical center has been offering on-site smoking cessation classes since spring of 1994. As the July 1 abstinence date nears, enrollment in the cessation classes is increasing.

"It's just human nature to wait, but I'd like to see more people take advantage of our program," Ms. Power Gangl said. "As a non-smoker who grew up in a household where people smoked, I know first-hand the effects

See "No smoking" on page 6

# Inside



## Penn State is target

A Pennsylvania lawmaker calls for an end to tuition discounts for University employees, an end to tenure and curtailment of sabbatical leave. See story on page 3.



## Special Intercom Notice

Again due to budget considerations, the *Intercom* publication schedule is being altered. Instead of publishing June 8 and June 22 as previously announced, the *Intercom* will only be published once in June — Thursday, June 15. Deadline for that issue is Wednesday, June 7.

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DIVERSITY

# Malaysian engineering students to study at Penn State Harrisburg

Penn State Harrisburg's academic programs have again gained international recognition. In June, 47 Malaysian engineering students will take up residence on campus to begin an intensive period of study which will result in a bachelor's degree in mechanical engineering technology or electrical engineering technology.

Far beyond the actual training of engineers, the opportunity to educate Malaysian engineers places Penn State Harrisburg in a position where "our faculty is being asked to help build a nation," Gautam Ray, director, School of Science, Engineering and Technology, said.

An emerging economic and industrial nation, Malaysia is an integral part of the rapid growth of Pacific Rim nations. Its government has recognized a need for western-trained technology engineers who can lead the country into the next century.

The Malaysian government has

created a Vision 2020 program, targeting that year for it to become a powerful industrial nation. Dr. Ray explained. In connection with that

**"Our faculty is being asked to help build a nation."**

Gautam Ray, director, School of Science, Engineering and Technology

vision, Malaysia has created an education foundation to provide training and education for its people. It is through this foundation that the students first studied in Canada and are now headed for Penn State Harrisburg.

The group is the largest single contingent of international students ever enrolled at Penn State Harrisburg.

The Malaysian students earned an

associate's degree in engineering technology in their homeland and have spent six semesters in four colleges in the Toronto area earning a three-year diploma in engineering technology. In essence, they already have five years of academic training behind them.

Subsidized by their government, the students are committed to return to their homeland after graduation to work as engineers. As an incentive, their government's support is geared to their academic success. The students finish their studies in July 1996.

The college's location in a metropolitan area will afford the students an opportunity to gain insights into American culture, business life and corporate complexities.

"These students are part of Malaysia's vision for the future and Penn State Harrisburg is now a part of that nation building. This is quite exciting for our faculty," Dr. Ray said.

# WPSX-TV play to teach children about diversity

WPSX-TV, Channel 3, has partnered with the Allegheny Educational Broadcast Council and six area elementary schools to help young children better understand and cope with the complexities of an increasingly diverse world.

A diversity team at WPSX has written THE PUZZLE PLACE PLAY which will be cast in six elementary schools throughout Central Pennsylvania in May.

The play is written for first, second and third grade children exploring issues of multiculturalism and diversity through a "show and tell" environment.

Sixteen different "show and tell"

scenes allow the participating class to choose the characters most appropriate or most interesting to their school setting.

The menu of characters include, among many others, Carlito, a Hispanic bilingual child who shares with the class a letter written in Spanish and teaches the others a few Spanish words.

Patricia, whose sister is blind, introduces the class to Braille; while Matthew, who uses a wheelchair, explains how he accomplishes everyday tasks without the use of legs. Nanyeb-bi, a Native American, shows off her wampum beads and explains the significance of her Cherokee

names; and Jamal, an African-American, demonstrates how a rainstick, a native instrument, is used in music.

Tim tells us about his dream of dancing in "The Nutcracker," and Chris, the shy child, is prompted to share his stamp collection with the class.

THE PUZZLE PLACE airs weekdays at 10 a.m. on Channel 3. WPSX representatives will be present at each performance. Some performances will be videotaped by WPSX-TV cameras.

All participants will receive a "Certificate Of Appreciation" from Channel 3.

MBA programs, professor of business administration and key recruiter, the Smeal College went to 13 MBA recruiting forums, five of them outside of the United States.

"One of our strongest recruiting tools is our Minority Visitation Weekend when we invite prospective students to campus and connect them with minority alumni," Dean Hammond said. "Finally, we have initiated, with the help of The Graduate School, a summer program to interest minority students in doctoral study, and two of those students enrolled first in our MBA program."

## DIVERSITY BRIEFS

### Allentown plays host to visiting scholars

The Penn State Allentown Campus is hosting visiting scholars from Puerto Rico this summer.

The participants, who will arrive the first week in July, are Glady Bonilla, associate professor, Universidad Metropolitana, Puerto Rico; Miriam Plata-Montero, assistant professor, University of Puerto Rico, Rio Piedras Campus; Fernando Pieras, professor, University of Sacred Heart, and Jose Gonzalez, associate professor, University of Sacred Heart Santurce, Puerto Rico.

Dr. Bonilla will present creative writing workshops for high school students and an intense four-week "Spanish for Educators" six-credit graduate course through the National Writing Project. Dr. Plata-Montero will work with the Academic Enrichment Program for High School Students on a four-week creative writing workshop. Professor Gonzalez and Dr. Pieras will present programs on health promotion and fitness for students in middle schools with the Allentown School District.

Now in its fourth year at Allentown, the visiting scholars program is an especially important component for the growing Hispanic population in eastern Pennsylvania.

### LGB network policies, procedures under review

Policies and procedures of the Lesbian Gay Bisexual Support Network are being re-evaluated this summer and applications for new members will not be reviewed until fall.

The network, a University-wide program sponsored by the Committee on Lesbian, Gay, and Bisexual Equity, promotes a more hospitable environment for lesbian, gay and bisexual members of the University community by identifying individuals who are supportive and aware of the concerns of the group.

The committee, which has the responsibility for reviewing all network applications as well as administering the program, will not be meeting on a regular basis through the summer months. The planned re-evaluation of policies will entail a revision of the network application.

# Smeal College a leader in training managers of the future

By the year 2000, 85 percent of the growth in America's workplace will be in the employment of women, people of color and those from other countries, creating new changes for management as cultures and traditions interact and often collide.

The Smeal College of Business Administration is at the forefront of recruiting students and training managers-to-be who can respond to the complex employer and employee needs in a multicultural workplace.

"When we have a more diverse student body, our graduates should have a deeper understanding of a diverse workplace," Dean J.D. Ham-

mond said in an informational report to the Board of Trustees. "Many in management freely admit that the management of a diverse workplace is still in the trial-and-error stages."

"Because most corporations know that a multicultural workforce is inevitable and want to recruit a workforce that reflects that diversity, MBA programs are competing to attract students from all ethnic and racial backgrounds.

"However, getting multicultural and racially diverse students to Central Pennsylvania hasn't been easy," Dean Hammond added. But with the help of Glenn Pitman, director of



# Legislator targets universities for spending reforms

(Editor's note: The following story broke on Monday just as Intercom was going to press.)

A Montgomery County legislator, expressing concern over the way taxpayer money is spent on higher education, held a press conference in Harrisburg on May 22, calling for widespread reforms.

Rep. John A. Lawless, a Republican legislator, called for the end of tenure, the curtailment of sabbatical leave, an increase in the number of hours faculty spend in front of the classroom and an end to tuition dis-

counts for the quality of administration."

Rep. Lawless cited York College of Pennsylvania as an example of excellence that Penn State and other state-related and state-owned colleges should follow.

Rep. Lawless told the media covering his briefing at the Capitol media center that it is uncommon in many states, including New Jersey, for state schools to offer tuition discounts to their employees. When asked by a reporter about tuition reimbursement programs offered to employees of the legislature, Rep. Lawless said he was unfamiliar with the program.

The legislator also called for an end to honorarium being paid to faculty at one state university for speaking engagements that took place at any other Pennsylvania university that receives state funds.

Rep. Lawless said his call for changes include any institution that receives state funds, including the University of Pennsylvania, a private institution that receives some state funds.

His multi-bill package calls for 80 percent of full professors to teach at least 12 credit hours of classes each semester. Any institution that did not comply with this requirement would not receive a state appropriation under plans of the proposed legislation.

In calling for an end to tuition discounts, Rep. Lawless said: "For these students, the only qualification is genetic — being the child of a university employee. No grades, no special talent — just genetics."

Rep. Lawless has been quoted widely in the media in recent weeks calling for a stop to the "gravy train"

in Pennsylvania higher education. "I am continuing to look into the seemingly exorbitant amounts of money spent on travel," he said.

Another area of concern that he expressed is the kinds of courses being offered at some institutions.

## SETTING THE RECORD STRAIGHT

### LAWLESS:

Lawless said that free tuition or tuition breaks for faculty members and their families enable professors to move to Pennsylvania from other states and put their children through school for free. "Why should their families receive a free education?"

### FACT:

More than two-thirds of the people who use the 75 percent tuition discount program, good only at Penn State, are dependents of non-academic employees.

### LAWLESS:

Penn State spends \$27 million a year in travel, and "that doesn't include Joe's football team."

### FACT:

Penn State spends only about 1.8 percent of its total operating budget on travel — about \$26.3 million. The \$26.3 million figure does include travel by the football coach Joe Paterno's football team and all Penn State athletic teams, which are not supported by state tax dollars.

### LAWLESS:

College and university travel expenses are "seemingly exorbitant."

### FACT:

Penn State contracts with five travel agencies to provide guaranteed lowest-price travel services. The average price of an airline ticket bought through one of these agencies is 53 percent below normal coach fare.

counts for all employees of the state-related and state-owned universities.

"From what I have seen or heard in the past two months, we need to improve the way our colleges and universities operate," Rep. Lawless said in prepared remarks. "My concerns and questions focus less on the quality of education and more on

## Assistant director ends 34 years of service

James L. Snyder, assistant director of Audio Visual Services, has retired after 34 years of service. He was responsible for equipment rental and delivery, tape duplication, and some of the technology classrooms.

Mr. Snyder was born in the Lewistown area, later moving to York and then back to this area. Before starting at Penn State, he held various construction jobs. In 1960, he began working as a wage payroll employee with Audio Visual Services. At that time, AVS was housed in the basement of Pattee library, he notes. After two years, he was promoted to a full-time position and continued working at Penn State until his retirement.

Mr. Snyder enjoyed the interaction with staff and students during his years at Penn State. Of the students, he said, "It was nice just being able to help them out once in a while." His hobbies include fishing, traveling, and woodworking. When asked about retirement plans, he said, "I don't think there's enough time to do them all." Between the three hobbies, he's sure he and his wife, also retired, will be very busy.



James L. Snyder

## Partings

### Number of employees retire

Anna M. Boonie, staff assistant V, College of Agricultural Sciences, from April 21, 1970, to May 1.

William M. Briggs, financial officer in the Corporate Controller's Office, retired Dec. 31 after 27 years of service.

Jacqueline K. Brooks, staff assistant VI in the Property Inventory Department, Corporate Controller's Office, retired Dec. 31 after 25 years of service.

June E. Golletti, staff assistant V, Penn State Beaver Campus, from Jan. 2, 1985, to March 1.

Katherine C. Marinakos, staff assistant V, Research and Graduate School, from Oct. 1, 1979, to May 1.

Hazel R. Markle, staff assistant VI in the Systems & Procedures Department, Corporate Controller's Office, retired Jan. 1 after 24 years of service.

Edwin A. Pagan, maintenance worker, Utility, Penn State Allentown Campus, from Jan. 9, 1984, to April 29.

James W. Powers, assistant controller/University Financial Officers in the Corporate Controller's Office, retired Dec. 31 after 32 years of service.

Gerald W. Slagle, athletic trainer II, Sports Medicine, from Sept. 1, 1966, until Dec. 31, 1994.

Allice L. Solt, food preparer A, Housing and Food Services, from Aug. 31, 1982, to April 1.

Mary Ann Stefnoski, food production worker B, Penn State Erie, The Behrend College, from Aug. 30, 1982, to April 29.

Jo Ann Wilkie, food production worker A, Penn State McKeesport Campus, from July 31, 1983, to May 6.

## From the Trustees Docket

# Five re-elected and two newcomers join Board of Trustees

Penn State alumni and delegates of agricultural and industrial societies have re-elected five incumbents and elected two newcomers to serve on the Board of Trustees. All will serve a three-year term beginning July 1.

Charles C. Brosius, Pennsylvania Secretary of Agriculture, will continue to serve on the board as an ex-officio member appointed by the governor. Elected by the industrial society delegates, he has served on the board since 1989.

Re-elected by the Penn State alumni were:

■ Nancy Van Tries Kidd, '55, 77g, psychologist and mediator with Psychological and Counseling Resources, Richmond, Va.

■ Barry K. Robinson, '67, deputy general counsel of the Recording Industry Association of America, Inc., Bethesda, Md.

Re-elected by the agricultural society delegates was:

■ The Honorable Roger A. Madigan.

Re-elected by the industrial society delegates were:

■ Edward P. Junker III, vice chairman, PNC Bank.

■ L.J. Rowell Jr., president and chief executive officer, Provident Mutual Life.

Newly elected by Penn State alumni was:

■ Steven G. Sheetz, '69, president of Sheetz, Inc., of Altoona, which owns and operates 170 Sheetz convenience stores in five states.

Newly elected by the agricultural society delegates was:

■ Boyd E. Wolff, former Pennsylvania secretary of agriculture and former owner of the Farmers Farms.

Dr. Kidd is a licensed psychologist and mediator in private practice in Richmond, Va.; she is returning to State College this coming July. She will continue her practice here and

looks forward to being available to expand her trustee responsibilities.

As a tenured associate professor in the psychology and counseling department at the Community College of Rhode Island, she directed the Women's Resource Center and the Counseling Center. She has taught psychology, counselor education and women's studies at CCRI, Providence College, the U.S. Naval Training Center at Newport, R.I., Maricopa Community Colleges at Phoenix, Ariz., and the University of Richmond. She was first elected to the board of trustees in 1983.

Mr. Robinson, a practicing attorney, is deputy general counsel of the Recording Industry Association of America, Inc., the nonprofit trade association representing the United States sound recording industry. Previously, he served as senior counsel for international investment and trade in the U.S. Department of Commerce in Washington, D.C. In 1987, he received the Department of Commerce's Silver Medal Award in recognition of his work on the United States-Canada Free Trade Agreement.

A graduate of Penn State's College of the Liberal Arts, he received his law degree from New York University in 1970. He was first elected to the board in 1989.

Mr. Madigan, a 1951 graduate of Penn State with a B.S. in dairy production-agriculture, served as a state representative in the general assembly from the 110th district until 1984, when he was elected a state senator representing the 23rd senatorial district. He is chairman of the Joint State Government Commission and a member of the Joint Legislative Air and Water Pollution Control and Conservation Committee of the legislature.

He serves as chairman of the Senate Agriculture and Rural Affairs Committee, vice chairman of the Sen-

ate Game and Fisheries Committee, and is a member of the Appropriations, Ethics and Official Conduct, Labor and Industry, and Local Government committees. He also is a member of the board of directors of the Pennsylvania College of Technology.

Mr. Madigan, who currently operates a 260-acre crop and beef farm near Towanda, was appointed to serve on the board to fill an unexpired term ending June 30, 1980; was elected by delegates from agricultural societies in 1980, and has been re-elected for succeeding terms.

Mr. Junker, vice chairman of PNC Bank Corp. and vice chairman of PNC Bank, N.A., received his B.S. degree from Penn State in 1960. A native of Carnegie, he also is a graduate of the Stonier Graduate School of Banking at Rutgers University.

He is a member and treasurer of the Erie-Western Pennsylvania Port Authority; president of the Erie Zoological Society; a member of the board of directors, executive committee, and president-elect of the Erie Conference on Community Development; a trustee of the Erie Community Foundation, and a board member of Discover Square. He was first elected to the board by the delegates of industrial societies in 1986.

Mr. Rowell, president and chief executive officer of Provident Mutual Life in Philadelphia, received a B.S. degree in hotel administration from Penn State in 1955. In 1971 he completed Harvard Business School's Advanced Management Program.

Mr. Rowell has remained active in Penn State activities. He is a life member of the Alumni Association. In 1981, he was awarded the Athletic Alumni Award and was the recipient of two Alumni Fellow Awards in 1987 — one from The Smell College of Business Administration and one

from the College of Health and Human Development. He returned to Penn State the following year as the recipient of the Distinguished Alumnus Award. He was first elected to the board in 1992.

Mr. Sheetz, president of Sheetz, Inc., received a B.S. degree in business management at Penn State and went on to study at the Harvard Business School, completing the Owner/President Management Program. He is a member of the Penn State President's Club as well as the Mount Nittany Society. In 1994, he was named a Distinguished Alumnus of Penn State.

Mr. Sheetz has served on the Penn State Altoona Campus Advisory Board since 1984 and has co-chaired two successful capital campaigns at the Altoona campus. He is a frequent guest speaker on the subjects of entrepreneurialism and Total Customer Focus at the Altoona and University Park campuses.

Mr. Wolff, former state agriculture secretary, received his B.S. degree in dairy husbandry from Penn State in 1953. For the next 33 years, he owned and operated Wolfden Farm, a 410-acre dairy farm in Westmoreland County.

He has been active in various farm, community, church and political organizations. He received the Distinguished Service to Agriculture Award from the Pennsylvania Farm Bureau in 1977, the Outstanding Pennsylvania Grassland Award in 1976, and the Outstanding County Farm conservationist Award in 1975, and was named a "Master Farmer" in 1970. He was first elected to the board by delegates from agricultural societies in 1981 and was re-elected in 1986. He is a member of the agricultural trustee in 1987, but continued to serve on the board as a trustee ex-officio as secretary of agriculture until early 1995.

## Affirmative action: Still helping overcome discrimination

Maintaining and strengthening affirmative action programs are vitally important because discrimination continues in spite of great progress toward equality, the director of the Affirmative Action Office told the Board of Trustees.

Discrimination has become "less overt and more subtle, but it is still very much with us in 1995," Bonnie Ortiz, office director, told the board.

It's important for educators to challenge the many myths about affirmative action, Ms. Ortiz said. "The future of Penn State and of the country depends on ensuring that all people can be educated to their full potential, and are available to become productive citizens."

Over the past year, Ms. Ortiz said, Penn State's Affirmative Action Office has worked closely with many groups across the University. The office also

**"Penn State takes aggressive action to ensure diverse applicant pools for its positions and selects new employees from large groups of highly qualified individuals."**

Bonnie Ortiz  
director  
Affirmative Action Office

has increased its focus on educational programming.

During her address, Ms. Ortiz cited the actual requirements of federal regulations, statistics, government

reports and national studies that contradicted the many myths about affirmative action, such as the myths that affirmative action means hiring unqualified people, means quotas, or results in "reverse discrimination."

For instance, Ms. Ortiz said, the charge about qualifications is frequently heard in the abstract — it happens somewhere else. "Penn State takes aggressive action to ensure diverse applicant pools for its positions and selects new employees from large groups of highly qualified individuals," she said. "Many Penn State applicants far exceed the minimum qualifications for the positions they're pursuing."

Regarding quotas, Ms. Ortiz said, compliance with federal civil rights regulations is never judged on whether or not the goal is reached, rather on "good faith efforts" made to

meet the goals. "At Penn State we take this obligation seriously," she said. "The president, the provost, the deans and other administrators regularly charge search committees to search aggressively for job applicants who reflect the greatest possible diversity."

Regarding reverse discrimination, Ms. Ortiz said a U.S. Department of Labor study found that such cases constituted between 1-3 percent of all discrimination opinions; that a high proportion of the claims were found to be without merit, and that the courts gave appropriate relief in the six individual cases where reverse discrimination was established.

The study suggested that concerns about direct discrimination far outnumber concerns about reverse discrimination, she said.



## From the Trustees Docket

# Trustees approve construction plans, agree to rename 67-year-old president's house

The Board of Trustees has approved final plans for a third building on the West Campus and gave authorization to release the University's portion of \$5 million toward the Operation Jump Start project of \$17.7 million. The state is providing the balance of \$12.7 million.

The New Research Center will house general classrooms, research and teaching laboratories, the Department of Engineering Science and Mechanics in the College of Engineering, the Earth System Science Center, the Department of Mineral Economics and the Office of the Associate Dean for Research in the College of Earth and Mineral Sciences.

The building will have four above-grade floors and a partial below-grade floor for the Earth Systems Science Center's Cray Supercomputer, a student lounge and conference room, and building mechanical equipment. The first floor east wing will contain five general classrooms with seating for about 45 students each and two lecture rooms or classrooms for 120 and 25 students, respectively. The west wing will contain research and teaching laboratories. The second, third and fourth floors will house administrative, faculty and graduate student offices and teaching and research laboratories.

Like other buildings on the West Campus, it will be made of red brick and limestone. The windows will be deep-set to create a textured facade, and the building's linear design will be divided by a central glass curtain wall, bringing natural light into lobby areas on each floor.

In other action, Trustees named the 67-year-old house that is soon to be renovated to become the new president's residence "Schreyer House" to honor Board chairman William A. Schreyer and his wife, Joan L. Schreyer.

The Schreyers, who have made numerous significant gifts to academic programs at the University over the years, committed \$1 million to underwrite the costs of renovating the property on the University Park Campus. The updated facility will be occupied by president-elect Graham Spanier and his family, which will mark the first time since 1970 that a Penn State president has lived on campus.

At the March meeting, the trustees authorized the sale of the current presi-



An artist's rendering of the New Research Center on the West Campus at University Park.

dential residence, three miles south of the campus on Kennard Road.

The proceeds will be used to endow the University's recently established Institute for Innovation in Learning. The Institute is part of Penn State's ongoing program to improve undergraduate education. It will support faculty efforts to enhance active and interactive learning components in their courses.

"The University is grateful for this most recent expression of generosity from the Schreyers," said President Thomas, who retires at the end of August. "The gift enables Penn State to provide substantial support for the Institute for Innovation in Learning while allowing the University to create—a private expense—a new home for the president's family in an ideal location."

Trustees also approved final plans for the renovation, and authorized the obtaining of bids and awarding of contracts for the project.

An analysis by the University showed that the estimated operating costs of a renovated Schreyer House would be lower than at the Kennard Road facility. In addition, there will be more parking and better access for people with disabilities. Also, the Kennard Road house has only two bedrooms, while the Schreyer House has five.

The board also:

- Learned of several revisions to the University Park Airport master plan that will allow for improved general avi-

ation and field maintenance facilities in the future.

Robert C. Finley, assistant to the senior vice president for business and finance, said the changes to the 1989 master plan reflect new ideas for the general aviation area east of the main terminal building and south of Fox Hill Road. The redesign is being coordinated by Robert H. Hoffman Architect & Associates of Boalsburg.

Mr. Finley said the airport is now the seventh busiest in Pennsylvania in terms of passenger enplanements per year, just behind Erie, and that activity is expected to increase in the years ahead. To help meet growing demand for services to corporate aircraft in particular, a separate terminal is under consideration for the airport's general aviation area, as well as additional hangars for such aircraft and a new field maintenance building.

■ Approved rights-of-way to allow the Pennsylvania Department of Transportation to upgrade existing signals along Park Avenue at the intersections of Aertman, Allen, Shortledge and Bigler roads.

■ Received a recommendation on the appointment of an architect for a residence hall at the Altoona Campus.

■ Heard an update on existing buildings at the Altoona Campus, where the board will meet next July 13 and 14.

## Undergraduate research going strong

Undergraduate research has been going on informally in one guise or another for a long time, but in the past several years, colleges and universities have placed more emphasis on it as a separately recognized entity and Penn State has been among the most visible proponents of the benefits of undergraduate research.

The values of undergraduate research are to learn freedom of inquiry and a kind of independence. In the process, students become genuine seekers on their own terms of the kinds of truths they want to make their own. And we want this freedom of inquiry to give students an appetite for learning that we hope will persist through life," James M. Rambau, associate dean for undergraduate education and director of the University Scholars Program in the Office of Undergraduate Education, said in an informational report to the Board of Trustees.

Nationally, the scope and organization of undergraduate research activity can be measured in part by the participation in the annual National Conference on Undergraduate Research held last month at Union College. Almost 1,400 student posters or presentations were on display or delivered.

Thirty-four of those students presenting research were from Penn State.

At Penn State, students learn about research opportunities through a published reference manual, "Research Opportunities for Undergraduates," and a brief brochure on those opportunities that is widely distributed to students. Students also learn of opportunities directly from their professors and academic advisors.

On a best-guess estimate, as research arrangements occur formally and informally in all departments and colleges and on all campuses in the University, thousands of students are currently involved in some research activity.

New initiatives to increase the benefits and participation in undergraduate research are now in the works.

# School of Communications receives nod to college status

The School of Communications has been renamed the College of Communications to better reflect its academic status and national reputation.

The Board of Trustees approved the new name for the school, which also received support from its faculty and the University Faculty Senate.

"This name change clarifies our independent status within the University and recognizes and positions our stature as the fourth largest communications program in the country," Dean Terri Brooks said. "It will enhance our

ability to attract the best faculty and students, and raise our visibility in the communications industry."

"The school has experienced major growth in its size and stature, and the new name will more accurately communicate its achievements," President Thomas added.

The School of Communications was established in 1985 as an independent unit by combining the existing School of Journalism in the College of the Liberal Arts with the Telecommunications Program and some elements of the Depart-

ment of Speech Communication, also in Liberal Arts, and with the Film Program in the College of Arts and Architecture.

Currently, the number of majors enrolled in communications at Penn State is at 1,645, making it the fourth largest program after Michigan State, California State University at Fullerton and Syracuse University.

Five undergraduate majors are offered: journalism; broadcast/cable; media studies; advertising/public relations; and film/video.

A team from the Accrediting Coun-

cil on Education in Journalism and Mass Communication conducted a review this past November and unanimously endorsed reaccreditation, praising the school for commitment to teaching; its superb record in public service; its measurable diversity strides; its exceptionally loyal and generous alumni group of nearly 9,000; its good relations with an expanding circle of professional constituents; its sound administrative infrastructure; and the quality of its students.

## From the Trustees Docket

### Curriculum changes heard

The Board of Trustees has learned about curriculum changes in undergraduate and graduate programs, including a new minor in engineering leadership development and a new major in biotechnology.

Today's student must develop practical leadership skills and be able to communicate clearly with other national and international scientists. The new minor in Engineering Leadership Development, offered by the College of Engineering, will help develop these practical skills.

In the Eberly College of Science, the new major in biotechnology is designed for the scientist of the 21st century. Students will get a strong foundation in the life and chemical sciences and learn how fundamental science is applied to everyday problems through biotechnology. With the addition of the new major, the Clinical Laboratory Science Option is being transferred from the major in microbiology.

In graduate programs, the board learned of the master of engineering degree program in electrical engineering at Penn State Harrisburg, which will fill a need in graduate education within the region that is not being adequately met and will enhance relations with companies employing students in their geographical area. A new master of science degree in industrial relations and human resources in the College of the Liberal Arts is needed in the Department of Labor Studies and Industrial Relations to build on the strengths of the faculty and to attract and retain other research-oriented faculty.

The formation of religious studies as a graduate minor will be a central location for the analysis of religious ideas and institutions. Public trends have lent new vitality to the field of religious studies and have contributed to a more hospitable climate for scholarly discussion.

The board also approved name changes for two departments. The Department of Adult Education, Instructional Systems and Vocational and Industrial Education has been renamed the Department of Adult Education, Instructional Systems, and Workforce Education and Development in the College of Education to reflect the name change of the Workforce Education and Development Program.

The Department of Orthopedics is now called the Department of Orthopedics and Rehabilitation in the College of Medicine. The Milton S. Hershhey Medical Center, reflecting the close relationship between orthopedics and the University Hospital Rehabilitation Center.

Also new are five options in the associate degree in business administration in The Smell College of Business Administration. The additional options are: General Business, Accounting, Management, Management

### Services to Philadelphia region growing

Penn State's educational programs and services in Philadelphia are on the move.

"As part of our land-grant commitment to outreach and statewide service, Penn State is refocusing its urban services and educational programs and developing new ones to better address the educational, research and service needs of the Philadelphia region," William W. Asbury, vice president for student affairs, told the Board of Trustees in an informational report. "Penn State intends to become a valued higher education presence in the Commonwealth's largest city."

"Once we complete our move to the second floor of the Urban Education Development, Research and Retreat Center, Inc. at 46th and Market streets, Penn State will be able to offer 'one-stop shopping' for services from 4-H youth programs and urban gardening activities to degree and professional education programs."

In August, the University began its move to 46th and Market with the Penn State Community Recruitment Center, which was at 401 N. Broad Street. Penn State Cooperative Extension offices, still on the third floor of the Market Street building, are moving ahead with plans to renovate offices and meeting areas on the second floor. Among their most active programs are:

— The Urban Gardening Program: This year participants planted 508 community food gardens spread out over one million square feet in urban Philadelphia. More than 2,600 families tended these gardens, which produced close to \$2 million in produce last year.

— Penn State 4-H: Involves 12,000 Philadelphia-area youths. Received a gift of \$3,000 from Corestates Bank and the Kiwanis Foundation of Philadelphia, Inc. this year to expand programs.

— EFNEP, the Expanded Food and Nutrition Education Program: Reaches more than 300 families with school-age children and teen parents in all parts of Philadelphia. The program offers nutrition counseling and education.

— The Family Living Program: Focuses on the well-being of children through its "Better Kid Care" program that last year trained more than 350 child care providers, and helps families manage their money through workshops. Family Living staff also offer a hotline to answer questions about food safety and home environment issues, and provide regular news articles to 43 community newspapers on parenting, food safety, healthy food choices and related areas.

— Penn State Entomology Services:

Philadelphia health agencies and the pest control industry are offered in-depth training courses for pest control operators at the Ogonitz Campus.

"Both Cheyney and Lincoln Universities have outreach centers in the Market Street Building as well, and Penn State is working with these schools on a number of cooperative ventures," Mr. Asbury said. At present, Penn State and Cheyney have agreements for scientific exchange and support, including graduate student teaching internships, fellowships and faculty exchanges.

Other residents of the building include: — The Division of Development and University Relations

— The College of Education's Urban Education Early and Middle Childhood Education Program, which leads to a baccalaureate degree and teacher certification. This new program is in addition to the many degree programs already offered at the three Philadelphia area campuses: The Ogonitz Campus in Abington; the Delaware County Campus in Media; and the Great Valley Center in the Great Valley Corporate Park, which offers master's degrees in education, engineering and business.

Penn State also offers a wealth of educational programs through its Continuing and Distance Education Services, which reach 200,000 Pennsylvanians yearly, including more than 21,000 in Philadelphia.

To coordinate Penn State initiatives at the Urban Education Development, Research and Retreat Center and throughout the Philadelphia region, the University recently created a Philadelphia Council under the leadership of Edward S. J. Tomesko, chief executive officer of the Delaware County Campus.

Serving on the Council are: Elmore Hunter, 4-H coordinator and community relations director; Ermine Laud-Hammond, interim county extension director and extension home economist; Mary Kay Cole, regional director of Continuing and Distance Education; Joseph Biscontin, Philadelphia regional director of university relations; Grace Stanford, faculty member at Delaware County Campus and program director of the new baccalaureate degree program in Urban Education Early and Middle Childhood Education; and Blanche Staton, director of the Penn State Community Recruitment Center.

### No smoking

continued from page 1

smoking can have on smokers and those around them. My mother died of lung cancer."

The classes, eight, one-hour meetings, stress behavior modification. Participants may also choose to use a nicotine patch. The medical center pays 80 percent of the program's costs for those who don't have health insurance or whose insurance doesn't cover the fee.

Ms. Power Gangl concedes that as with any new policy, there are some people who are not satisfied. But Hershey officials don't plan to ignore them. A comment line is being established for people wishing to voice their concerns and will be up and running June 1. By dialing 531-4AIR, a caller can leave a voice mail message and a member of the Committee for a Smoke-Free Campus will personally respond.



#### International link

Hiroshi Honda (left), president of the Japan Chapter of the Alumni Association, was at University Park recently to announce a \$25,000 scholarship fund in honor of Penn State

wrestling great Katsutoshi Naito, who was also the first Japanese Olympic medalist in wrestling. Mr. Naito, captain of the Penn State wrestling team in 1924, scored a bronze medal for his athletic abilities at the 1924 Olympic games in Paris. Standing next to Mr. Honda is Katsutoshi Naito, son of the athlete.

Photo: Scott Elmquist



## News in Brief

### Science Writers Meeting

Take a trip Wednesday, May 31, to Norm Deno's in-home lab for germinating seeds, as part of the noonday monthly meeting of the Penn State Chapter of the National Association of Science Writers.

Dr. Deno wrote the book *Seed Germination Theory and Practice*, which describes his findings on more than 4,000 kinds of plants. The retired chemistry professor also will lead a tour of his gardens, where he grows many of the unusual species he raised from seeds.

After the tour, the chapter will hold its monthly business meeting and brown bag lunch. Dr. Deno will be available for questions and discussion.

## Faculty/Staff Alerts

### Update vaccination records

All faculty and staff members are encouraged to update their vaccination records for Measles, Mumps and Rubella. University Health Services is offering a simple, one-shot vaccination for all interested individuals during the last two weeks of May. Appointments must be made in advance, and every attempt will be made to accommodate individual work schedules.

This Spring, students were notified of the new mandatory immunization policy for incoming freshmen and advanced standing candidates starting at Penn State this Fall. Immunization updates remain voluntary for current students and Penn State employees.

The incidence of measles has decreased significantly over the past 25 years due largely to school immunization programs. However, close living/studying quarters and a belief that a childhood one-dose measles vaccine provides lifelong protection, leaves college aged adults and campus faculty/staff susceptible to these potentially deadly diseases.

If you are interested in taking advantage of this service, the cost will be \$51. Appointments may be made by calling: 863-9882.

### International ID cards

The Office of Education Abroad Programs has recently become an issuing office for the International Student Identity Card (ISIC) and the International Teacher Identity Card (ITIC). Applications can be picked up and submitted to the University Office of International Programs located at 222 Boucke Building. Applications will take a few days to process and the 1995 cards are valid through Dec. 31, 1995.

NASW lunchtime programs are open to anyone interested in science communication. For more information, contact Scott Turner, 865-9481 (or e-mail at [stx11@psu.edu](mailto:stx11@psu.edu)).

### Physician assistant program

One of the hottest careers in the medical field will soon be among the baccalaureate programs offered at Pennsylvania College of Technology in Williamsport.

Penn College's physician assistant program is nearing its final stages of fruition. Already, a program director and full-time faculty member have been hired, facility renovations are under way and more than 40 enrollees

are set to begin the program's pre-professional requirements this fall. More program applicants are expected between now and mid August.

Penn College also is following all steps for accreditation through the Accreditation Review Committee on Education for the Physician Assistant. The title "physician assistant" is used to identify a person who is prepared in the clinical knowledge and skills common to primary care medicine.

Penn College's physician assistant program will join six other programs in the state.

ISIC and ITIC benefits include international recognition, low airfares, special discounts for cardholders, savings on phone calls back to the U.S., sickness and accident insurance, and the Help Line. The 24-hour, toll-free Help Line can provide assistance if a medical, financial, or legal emergency arises while you're abroad.

To be eligible for the ITIC, teachers must be full-time faculty members at an accredited institution during the 1994-1995 academic year. Applications must be submitted with a passport-size photo, \$17 check or money order made out to the Pennsylvania State University, and a letter on Penn State stationery from the department head stating that you are a full-time faculty member during the 1994-1995 academic year. For information on student eligibility, contact 865-7681.

Proceeds from the sales of the ISIC and ITIC cards benefit Education Abroad's Grant-in-Aid fund established to assist Penn State students by their finances while they study abroad.

For more information, call Beverly Baylets or Debbie Gamponia at

### External consultants

System Determination Process has announced that new guidelines for the procurement and payment of external consultants have been released and should be used. They will become mandatory July 1.

Federal auditors required the University to strengthen the controls and processes by which consultants are procured, or face the possibility of discontinued federal funding. After two years of analysis and design, a team comprised of representatives from Purchasing Services, The Hershey Medical Center, Applied Research Lab,

Office of Sponsored Programs, Accounting Operations, and Systems and Procedures has developed a new policy and a new consultant procurement and payment process that address audit concerns while minimizing the impact on the University. The process is not dramatically different from that used for any other type of purchased service.

Policy PC-12, titled *Use and Procurement of External Consultants* was approved Jan. 18, and Procedure PC208, titled *Instructions for the Procurement and Payment of External Consultants* was approved March 27. These two documents provide the major source of official information regarding the new guidelines. Also, the old *Consultant Services Approval Form* (Form CFS-9) has been discontinued in its original format and re-engineered to become the new *Consulting Justification Form* (Form GF2.15b).

It is imperative that areas with a need to procure a consultant become familiar with the new system as soon as possible. For convenience, *Consultant Procurement Packets* (Form GF2.15a) are available from Systems and Procedures. Each packet contains a copy of the policy, procedure, the *Consulting Justification Form*, and the *Determination of Independent Contractor/Employee Status worksheet* (Form GF8.21)—everything a user needs to understand the system and initiate the procurement process.

Only one packet is initially necessary per area wishing to procure a consultant. Additional *Consulting Justification Forms* and *Determination of Independent Contractor/Employee Status* worksheets also are available from Systems and Procedures for future procurement of consultants.

## The PHILADELPHIA REGION

PENN STATE LOCATIONS:  
Delaware County, Great Valley,  
Oquirrh, The Philadelphia Community Recruitment Center

### International Competitiveness Summit

A major conference on Pennsylvania's economic future via international trade will be held June 21 at Penn State Great Valley.

The Pennsylvania International Competitiveness Summit will focus on strengthening communication between business leaders, business service providers, legislative leaders and the new administration in Harrisburg with the ultimate goal of shaping a new international trade strategy for Pennsylvania.

Key executives from each of the above groups will attend, including state Secretary of Commerce Tom Hagen and Fred Anton, chairman of the Pennsylvania Manufacturer's Association.

Nationwide, Pennsylvania is considered an "export underachiever," ranking 30 out of 50 states in export investment. Exports make up just 4.4 percent of Pennsylvania's Gross State Product, versus a 6.1 percent average for other Northeastern states and 7.2 percent nationwide. For information on the conference, contact Elaine McKeaynolds at 610-648-3294.

### Software symposium

The June 21 Summit at Penn State Great Valley is one of a growing number of international conferences the campus has hosted or sponsored recently. On June 7, 90 young women from four area high schools will take part in an international career conference at the campus, held in conjunction with the annual international meeting of the European Women's Management Development Network in Philadelphia. On June 13-15, the campus will co-sponsor the International Symposium on Environmental Software Systems (SSES).

SSES 1995 will examine the growing importance and scope of software dedicated to environmental protection and research tasks.

For more information, contact David Russell, associate professor of computer engineering at Penn State Great Valley, [rzmr@psuvc.psu.edu](mailto:rzmr@psuvc.psu.edu).

### Associate professor earns grant

John Ousey, associate professor in environmental sciences at Penn State Delaware County Campus, recently received a \$140,000 grant from the Eisenhower Science and Math Program of the Pennsylvania Department of Education.

The grant will be used to continue a new three-year-old environmental teacher training program Dr. Ousey created in partnership with the neighboring Tyler Arboretum. Over the past two years, dozens of teachers from area schools have participated in the month-long summer program, which provides hands-on, in-the-field training on teaching about the environment.



### "Alice in Wonderland"

Pennsylvania Centre Stage opens its 1995 season with "Alice in Wonderland," at 7 p.m. June 2 in The Playhouse on the University Park Campus.

"Alice in Wonderland" brings to life the beloved characters of Lewis Carroll's children's stories. It shows, at 10 a.m. June 3, 9 and 10; 1 p.m. on June 10, 4 p.m. on June 3 and 7 p.m. on June 2 and 9. Prices are \$6 for general admission, \$4 for students and children.

For tickets or more information, contact the Eisenhower Auditorium Ticket Center, open Monday through Saturday, 8:30 a.m. to 4:30 p.m., at 863-0255.

### "Greater Tuna"

Pennsylvania Centre Stage will present "Greater Tuna" June 14-July 1 in the Pavilion Theatre on the University Park Campus.

"Greater Tuna" looks at life in Tuna, the third smallest town in Texas. Two radio personalities spoof small town values while changing costumes and identities. The two actors portray all 20 characters in the show—whether man, woman, child or canine.

John Neville-Andrews, who directed the Centre Stage production

of "Arsenic and Old Lace" in 1993, returns to direct "Greater Tuna." The show plays at 8 p.m. June 16, 17, 20, 24, 27-30 and July 1. Previews are at 8 p.m. June 14 and 15 and matinees are at 2 p.m. June 24 and July 1.

For tickets, contact the Eisenhower Auditorium Ticket Center at 863-0255.

### Drama Camp Registration

The College of Arts and Architecture Department of Theatre Arts is accepting registrations for Children's Summer Drama Camps scheduled for August. The camps will be held in the Pavilion Theatre on the University Park Campus.

MetaStages Theatre Centre, an outreach program of the theatre department, will offer three, one-week camps for children ages 9-12 and 13-18. Camps will be held July 31-Aug. 4; Aug. 7-11 and Aug. 14-18, and run from 10 a.m. to 4 p.m.

Participants will receive theatre training from professionals in acting, movement, mime, dance and mask. They will rehearse and perform folk plays from various cultures. Camps culminate with an afternoon of final performances.

Class size is limited. For more information, contact Joann Leonard, MetaStages director, at 867-8390.

## Highlight on Undergraduate Education

# Spring Break trip to Germany a memorable experience for students

Fifteen students studying German at the University had the academic experience of a lifetime over the Spring Semester Break.

Not only were they able to visit the Duke August Library in Wolfenbuettel, Germany, but they were also active participants in the first American guest seminar held at the library.

The students had no major linguistic problems and participated extremely well in the six one-to-three hour presentations," said Gerhard F. Strasser, associate professor of German and comparative literature, who

accommodated. We needed some \$10,000 additional for air fare and were able to get \$5,800 from the Max Kaue Foundation and \$4,500 from the University—the Office of International Programs, the associate dean for Undergraduate Studies, associate dean for Research and Graduate Studies and the Department of German, all in the College of the Liberal Arts."

The five undergraduate and 10 graduate students departed for Germany March 2 and returned March 12.

"There is no question that the trip was extremely successful," Dr. Strasser said. "The academic aspect was the most exciting. We spent four days at Wolfenbuettel and five of my library colleagues gave guest lectures. With their help, the students were introduced to various topics, including seminars on medieval treasures, the English Civil War and a German drama dealing with the death of Charles I."

"Several students read text from a late medieval manuscript. The head of special collections at the library was impressed with our students at this first American seminar. He was pleased that they showed they had done some work before arriving at the library."

In addition to the four days at Wolfenbuettel, other academic aspects of the trip involved visits to the State and University Library of Lower Saxony at Göttingen and the library of the Francke Foundations at Halle.

"The Halle visit was noteworthy," Dr. Strasser said, "in that the students were able to experience first-hand what more than 40 years of neglect by the GDR regime did to a complex of almost 50 buildings that once housed one of the most advanced Pietist institutions."

With the assistance of the DADD, the student group also was able to tour a number of other German cities, including Brunswick, Goslar and Berlin.

"The students were unanimous in their praise for this unique undertaking," Dr. Strasser said. "However, they felt that the overall time of such a visit should be expanded, and they definitely would like to see a somewhat longer stay in Berlin."

"Overall, I was very pleased with the results and hope we can repeat such an academic experience. It would be well worthwhile to do it every other year, perhaps during intersession, if that were possible."

**"The head of special collections at the library was impressed with our students at this first American seminar. He was pleased that they showed they had done some work before arriving at the library."**

Gerald F. Strasser  
associate professor of German and  
comparative literature

## Bookshelf

Henry S. Albinski, professor of political science and Australian and New Zealand studies, and director of the Australian-New Zealand Studies Center, is author of *Australia's Evolving American Relationship: Interests, Processes and Prospects for Australian Influence* (Canberra: Australian Foreign Policy Publishing Program, Australian National University). It is among his 14 books and major monographs. He also has published book chapters, articles and special reports, mostly on Australian, New Zealand, South Pacific and more broadly Asia-Pacific affairs.

Ali Hursan and Simon Pakzaad, associate professors of computer science and engineering, are co-authors of *Parallel Architectures for Data and Knowledge-Based Systems*, published by IEEE Computer Society Press of Los Alamitos, Calif. The book's senior author is L.L. Miller of Iowa State University. The book examines the architec-

tures of database, text retrieval, and knowledge-based machines and how special-purpose hardware addresses current database issues to improve their functionality. The authors present several new topics and discuss their impact on the next generation of special-purpose architectures.

After opening with an overview of database machines and the effects of artificial intelligence on database technology and an examination of current data models and trends, the authors explore several database machine designs and describe recent research activities in these areas. They go on to examine text retrieval machines, the current status of the database machine in the marketplace, the link between AI and database systems, and architectures designed to support knowledge bases.

The book concludes with a look into several new directions that are influencing software system research in the database arena.

arranged the 10-day trip.

"They felt privileged to have been exposed to some of the medieval, Renaissance and Baroque materials of this extraordinary library. The only complaint concerned the time allowed for independent research, which was limited and didn't permit as much exploration of the materials as would be desirable."

Dr. Strasser, who has been working during the summers at the research library in Wolfenbuettel since 1976, was aware of four-day guest seminars featuring faculty members from Germany, Switzerland, Poland and France, and decided to try and organize the first American seminar at the library.

His first step was to apply for an information visit grant from the German Academic Exchange Service (DADD).

"In the past, the grants were primarily for student tours of Germany and not for any concentrated academic work," Dr. Strasser said, "but our proposal was successful and we received a \$10,000 grant to cover all



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Monday, May 29**  
Memorial Day  
**Friday, June 2**  
Alumni Weekend. Through June 5.  
Pennsylvania Centre Stage, 7 p.m., The Playhouse. "Alice in Wonderland." For tickets call 863-0255. Performing through June 10, call for dates and times.  
**Saturday, June 3**  
Shavuot (begins at sunset)  
**Wednesday, June 7**  
Summer classes begin.  
HUB Lawn Film, dusk. "The Road Warrior." Free admission.  
**Thursday, June 8**  
Special Olympics. Through June 12.  
Music at Noon, Fisher Plaza. Tim & Elise Duo, contemporary jazz.  
**Friday, June 9**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Origins of Music and Musical Instruments."  
■ Film, 1 p.m., Palmer Lipson Auditorium. "Australia's Art of the Dreamtime: Outback Country."  
Ice Cream "Divisions," 7 p.m., Music on the Creamery patio. Urban Fusion, jazz.  
**Saturday, June 10**  
"Mineral Sciences Junior Education Day." Earth and Mineral Sciences Museum. Open to students grades 1 through 8. Admission is free. To pre-register call 865-6427.  
**Monday, June 12**  
Aerobics "Divisions," 8:30 a.m., White Bldg. Gym. Admission is free.  
**Tuesday, June 13**  
Music at Noon, Fisher Plaza. Simple Gifts (instrumental folk).  
**Wednesday, June 14**  
HUB Lawn Film, dusk. "Grumpy Old Men." Admission is free.  
Pennsylvania Centre Stage, 8 p.m., Pavilion Theatre. "Greaser Tuna." For tickets, call 863-0255. Through July 1.  
**Thursday, June 15**  
Music at Noon, Fisher Plaza. Bellamyra Trio (international folk).  
Ice Skating "Divisions," 8 p.m., Penn State Ice Rink. \$1 w/coupon, \$2.25 without, includes skate rental.  
**Friday, June 16**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: The Hearsh."  
Ice Cream "Divisions," 7 p.m., Creamery Patio. Rich Victor Quintet (contemporary).

## PUBLIC RADIO

WPSU-FM 91.5  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Wed., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 8 p.m.

"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McPartland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, June 15**  
Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Ola Solende on "Light, Genes, Action: Biogenesis of a Multi-subunit Photosynthetic Complex."

## CONFERENCES

**Friday, May 26**  
East Coast Volleyball, 2,600 attendees, University Residence Halls. Through May 29.  
**Tuesday, May 30**  
East Coast Trout Management, 200 attendees, Forum Bldg. Through June 2.  
**Wednesday, May 31**  
Hershey Food Corporation, 38 attendees, Scanton, Through June 2.  
**Thursday, June 6**  
The Information Highway—Positioning Pennsylvania for the Future, 9 a.m.-5 p.m., Scanton. To register, call 865-5127.  
**PA Rural Health, 200 attendees, Nittany Lion Inn. Through June 8.**  
**Monday, June 12**  
Advance FFA, 15 attendees, location to be announced. Through June 16.  
Mushroom Short Course, 200 attendees, Nittany Lion Inn. Through June 14.  
**Tuesday, June 13**  
FFA Activities Week, 1,200 attendees, Findlay Rec Room. Through June 15.  
**Wednesday, June 14**  
Specialty Mushroom Workshop, 75 attendees, Nittany Lion Inn.

## EXHIBITS

Hoteller Building:  
Artwork from Cysse Shumskas and Ann Alters. A retrospective collection of traditional multimedia works and computer-generated pieces. Through May.  
Gift to Celebrate the New Museum," through July 16.  
■ "Dreamtime: Australian Aboriginal Art from the Collection of John W. Kluge," through July 16.  
Zoller Gallery:  
"Crafts National '29," through July 23.  
■ Reflects an international perspective.

## TIPS

Information Penn State  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## Goldschmidt Conference draws world's leading geoscientists

More than 400 leading geoscientists from around the world are at Penn State Scanton through May 26 for the fifth annual V.M. Goldschmidt Conference: An International Conference for the Advancement of Geochemistry.

The world's largest meeting in geochemistry, chaired by Hubert L. Barnes, distinguished professor of geochemistry, and Peter Deines, professor of geochemistry, continues with these keynote presentations Friday:

— 8:30 a.m. — Derek Vance and Nigel Harris, "On the Timescale for Generation and Extraction of Granitic Melts,"

— 8:30 a.m. — R. Boehrer, Max-Planck-Institut für Chemie, Germany, on "Melting and Chemical Interactions at Core-

Mantle Boundary Conditions."

— 10:30 a.m. — L.P. Gromet, Brown University, and S.R. Getty, University of California-Berkeley, on "Distinguishing Reset and Cooling Ages Using U-Pb Systematics."

— 10:50 a.m. — Charles L. Harper Jr. and S.B. Jacobsen, Harvard University, on "Accretion Rate and Surface Environment During Core Formation."

Geochemical research is critically important to the world for developing new heat sources and finding new kinds of materials and processes, among other things, according to Dr. Deines. The conference was organized by the Geochemical Society with assistance from Continuing and Distance Education's Conferences and Institutes unit.

## Libraries to start summer hours

University Libraries located on the University Park Campus will maintain the following schedules during summer session June 7 through Aug. 5.

## PATTEE LIBRARY

The Arts Library, Documents/Maps, General Reference, Lending Services, Life Sciences Library, Periodicals, and Reserve Reading Room/Microforms will be open Monday through Thursday from 7:45 a.m. to 10 p.m.; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 5 p.m., and Sunday, 1 to 10 p.m.

Interlibrary Loan, Photoduplication, Historical Collections/Archives, and the Rare Books Room will be open Monday through Friday from 8 a.m. to 5 p.m. and closed Saturday and Sunday.

The Penn State Room/University Archives will be open Monday through Friday from 9:30 a.m. to 5 p.m. and closed Saturday and Sunday.

The Music Listening Room will be

open Monday through Thursday from 9 a.m. to 10 p.m.; Friday, 9 a.m. to 6 p.m.; Saturday, noon to 5 p.m., and Sunday, 1 to 10 p.m.

## BRANCH LIBRARIES

The Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library, and Physical Sciences Library will be open Monday through Thursday from 7:45 a.m. to 10 p.m.; Friday, 7:45 a.m. to 5 p.m.; Saturday, 8 a.m. to 5 p.m., and Sunday, 1 to 10 p.m.

Folklore Library will be open Monday through Thursday from 8 a.m. to 12 a.m.; Friday and Saturday, 8 a.m. to 10 p.m., and Sunday, 1 p.m. to 12 a.m.

All libraries will be closed on Tuesday, July 4.

For more information on hours of library service, call (814) 865-3063 or type HELP HOURS when using the Library Information Access System (LIAS).

## United Way team leaders announced

As the 1995 University Park United Way Campaign gets under way, several individuals have volunteered to serve as team leaders.

They are: Laura S. Bortas and Patricia Heuser, College of Agricultural Sciences; Edward V. Williams, College of Arts and Architecture; Dale Roth, Intercollegiate Athletics; Trudy Smith, The Smell College of Business Administration; Shelley J. Miller and Patty J. Poorman, Commonwealth Educational System; Christine Templeton, The College of Communications; John D. Dixon and Paul Fewerchik, Computer & Information Systems; James Campbell and Jean McGrath, Continuing and Distance Education; John Dietz, Development and University Relations; Everett Tiffany, College of Earth and Mineral Sciences; A. J. Grill, College of Education;

George J. McMurtry and Barb Enby, College of Engineering; Kaye Keith and Joanne Marinakos, Enrollment Management & Administration; Phillip Melnick, Finance and Business; Lynn Rockwell, College of Health and Human Development; Richard Leah, College of the Liberal Arts; Carol Hermann and Sharon Becker, President's Office; Ginny Imboden and Kathy Mulberger, Research and Graduate School; Gregory L. Geoffroy and Donald W. Genson, Effroy College of Science; Patricia C. Peterson, Student Affairs; Teresa Tassotti and Janet Brown, Undergraduate Education; Tona Henderson and Frances Durkin, University Libraries; Leon Kneebone, retiree; Carol German and Judy Curley, students.

MAY 25 - JUNE 18

## Awards

### Professor earns fellowship

Richard Nichols, professor of theatre arts in the College of Arts and Architecture Department of Theatre, has been awarded a 1995 Japan Foundation Artist Fellowship. The fellowship will enable Dr. Nichols to study the performance techniques necessary to stage his translation of "Hikotchi-banashi" and a traditional Kyogen (classical comic theatre) at Penn State during the 1997-98 academic year. Nichols will study Kyogen techniques while in Tokyo with the NOMURA Mansaku Kyogen group.

The Artist Fellowship Program is a branch of the nonprofit Japan Foundation, a group dedicated to promoting international cultural exchange and mutual understanding between Japan and other countries.

Dr. Nichols, graduate officer and the head of graduate actor training in the Department of Theatre Arts, teaches graduate acting, research methods, undergraduate movement and acting, and Asian Theatre. He holds a B.A. from Michigan State University, M.F.A. from Ohio University, and a Ph.D. from the University of Washington.

Dr. Nichols currently is the national chair of the Association for Asian Performance. A 1974 recipient of a Japan Foundation Research Fellowship, he has studied classical and modern theatre in Japan and recently has been working toward the establishment of exchange programs between the Department of Theatre Arts and the Central Academy of Drama in Beijing, Peoples Republic of China.

### Professor cited by national institute

Kenneth K. Kuo, distinguished professor of mechanical engineering, has been recognized by the American Institute of Aeronautics and Astronautics and by the Department of the Air Force for outstanding technical contributions in combustion research. Dr. Kuo, also director of the High Pressure Combustion Laboratory, was selected to receive the AIAA Propellants and Combustion Award for 1995 in recognition of his "outstanding contributions in theoretical and experimental research of solid propellant combustion processes and active leadership promoting combustion science."

He also received a citation from the Department of the Air Force for his work on flame propagation into solid propellant rocket motors. He was cited for work that enabled the Titan IV launch system to be re-certified for flight "with unprecedented swiftness."

## Two at Hazleton Campus recognized for outstanding teaching and advising

Two faculty members at the Penn State Hazleton Campus have received teaching and advising awards.

A Teaching Excellence Award, established in 1994 by the Hazleton Educational Council, was presented to Shrikishna Singh. The award recognizes outstanding teaching activities by a member of the Penn State Hazleton Campus faculty. Selection is made by a committee of teaching faculty from another Penn State campus location and a representative of the Hazleton Educational Council, the campus advisory board.

Dr. Singh teaches general and organic chemistry and microbiology. Prior to joining the University faculty, he was research associate in the University of Pittsburgh Department of Microbiology. He also held positions at Washington State University and the University of Kalcutta, India, teaching at both the undergraduate and graduate levels.

Dr. Singh received a B.Sc. degree with honors in chemistry and an M.S. degree in organic chemistry, both from the University of Kalcutta, India. He earned his Ph.D. degree from the University of Calcutta. He is a member of the American Chemical Society, the American Society for Bio-

chemistry and Molecular Biology, and the American Society for Microbiology.

Judy O'Donnell, instructor in English, received the George T. Bobby Excellence in Academic Advisory Award. This award, a memorial to George T. Bobby, exercise and sports science faculty member from 1967 until his death in 1987, is given annually to a faculty member whose commitment to academic advising is in keeping with the high standards set by Professor Bobby.

In addition to her outstanding work as an academic adviser, Ms. O'Donnell is involved in many other aspects of academic life at the campus. She is a lecturer in Women's Studies; participates annually in the Freshman Testing and Counseling Program, and was the first woman recipient of the Teacher of the Year award. She also is the Dean's Representative of the College of Education at the campus.

With Wieslaw Grebski, assistant professor of engineering, Ms. O'Donnell developed a writing component in the Mechanical Engineering Technology Program. She is a graduate of Bloomsburg University where she earned B.S. Ed. and M.A. degrees in English.

## Associate director awarded Fulbright grant

Edward J. Danis, associate director of the Division of Undergraduate Studies (DUS) has received a grant from The Fulbright Commission for Education Exchange between the U.S. and Germany to participate in its 1995 Seminar for Academic Administrators.

Scheduled for mid-April through late May, the program will focus on international education topics of mutual concern among university administrators from both countries. The 25 American participants will attend sessions conducted by the German Ministry of Education and cooperating

universities in Bonn, Berlin, Leipzig, and Desden.

Dr. Danis is affiliated with the Department of German and pursues research interests in German-American Studies. His publications in this field include *The Professor in America*, an analysis of nineteenth-century German historical novels, and *Crosscurrents, Volume Four*, a study of German-English-American literary and cultural relations, edited with W. LaMar Kopp and Arthur O. Lewis and completed in memory of the late Professor Philip Allison Shelley.

## Papers deemed "best" by national societies

Two aerospace engineering faculty members have received best paper awards from national professional societies.

Cengiz Camci, associate professor of aerospace engineering, was the lead author for the American Society of Mechanical Engineers Heat Transfer Division Best Paper of the Year Award. The paper appeared in the ASME Journal of Heat Transfer.

The paper, "Evaluation of a Hue Capturing Based Transient Liquid Crystal Method for High-Resolution Mapping of Convective Heat Transfer on Curved Surfaces," was co-authored by former graduate student K. Kim, now a faculty member at the Pusan National University in South

Korea, and S.A. Hippensteel and P.E. Poinsett of the NASA Lewis Research Center.

Dennis McLaughlin, professor and head of aerospace engineering, was lead author for "Numerical Simulations of Flows in Centrifugal Turbomachinery," chosen the best paper for 1993 by the American Institute of Aeronautics and Astronautics Air Breathing Propulsion Technical Committee. Co-authors are former graduate student Daniel J. Dorney, assistant professor of mechanical and aerospace engineering at Western Michigan University, and Roger Davis of United Technologies Research Center.

## Eberly Chair holder earns honorary doctorate in Spain

C.R. Rao, holder of the Eberly Family Chair in statistics and director of the Center for Multivariate Analysis, has been awarded an honorary doctorate by the University of Barcelona, Spain.

According to C. M. Cuadras, professor of statistics at the University of Barcelona, Dr. Rao's pioneering ideas in statistics have influenced the work of a group of faculty at the university who are working in such fields as differential geometry in statistics and divergence measures.

Dr. Rao's association with the university began in 1983 and includes its participation as a meeting site for the 7th International Conference on Multivariate Analysis, which he organized; his membership on the editorial board of the

journal *Quaestio*, published by the university; and the translation into Spanish by University of Barcelona faculty members C.M. Cuadras and J.M. Oller of Dr. Rao's book, *Statistics and Truth*, published in 1994.

In addition to the honorary degree, Dr. Rao received five symbolic gifts during the commencement ceremony: a diploma, which names him Doctor Honoris Causa; a hat, symbolizing the teaching profession and a crown of knowledge; a ring, an emblem of having the privilege to sign and seal documents; white gloves, a symbol of purity and the honorable fulfillment of obligations; and an embrace, a symbol of being received into the university community.



## Awards

Education Library assistant  
wins 1995 Libraries Award

Betty C. Arnold, library assistant at the Education Library, is the 1995 University Libraries Award recipient. She was honored at a reception on May 5 at University House on the University Park Campus.

Ms. Arnold was chosen by her colleagues on the faculty and staff of the Libraries in recognition of her "patience, persistence, clear-thinking, and continuous positive attitude. Her experience, knowledge, and personality have been tremendous factors in moving the goals of the Education Library forward so quickly."



Betty C. Arnold

Ms. Arnold joined the Libraries in 1967 as a part-time information assistant in General Reference. In 1972, she became a library assistant in General Reference and moved to the Education Library in 1992.

Throughout her employment, she has shown continuing leadership both inside and outside the Libraries. She has served as chair of the Libraries Staff Association and has been the prime mover in establishing a Support Staff Roundtable in the Pennsylvania Library Association and a Support Staff Interests Roundtable in the American Library Association.

Ms. Arnold received a bachelor of science degree in psychology from the University of Connecticut in 1961.

Penn College honored nationally  
for admissions marketing efforts

Pennsylvania College of Technology's admissions marketing efforts have received national honors.

The college's quarterly magazine, *One College Avenue*, earned a merit award in the Tenth Annual Admissions Advertising Awards Competition, sponsored by *Admissions Marketing Report*, the national newspaper of college and university admissions marketing.

Penn College was recognized in the "newsletters for schools with 2,000 to 5,000 enrolled students" category. The particular issue of *One College Avenue* which earned the recognition was the Fall 1994 issue.

Leaders in industry, architecture, government and in the development of state-of-the-art technology have been honored as 1995 Penn State Outstanding Engineering Alumni. The Outstanding Engineering Alumni award is the highest award conferred by the College of Engineering.

This year's Penn State Outstanding Engineering Alumni are:

—Ardell J. Anderson, senior vice

president, Asia Pacific, for Large Commercial Engines, Pratt & Whitney.

—Laurens S. "Shep" Beyland, president and chief operating officer of Rome Cable Corporation.

—William R. Kress, vice president, manufacturing for IBM Corporation and general site general manager for IBM's largest facility in the world, located in Research Triangle Park, NC.

—E. Joel Martin, president of

Graduate assistants honored  
for outstanding teaching

The University has presented 12 students with the Graduate Assistant Award for Outstanding Teaching.

The Universitywide award, jointly sponsored by the Graduate School and the Office of the Vice Provost and Dean for Undergraduate Education, recognizes graduate students for superior teaching in the areas of physical science and engineering, life sciences, social and behavioral sciences, and the arts and humanities.

The selection committee judges nominees on several criteria including effectiveness of their presentation, use of clear and fair evaluation procedures, accessibility to their students and sensitivity to individual differences in the classroom.

The 1995 award winners are:

Moses B. Altsech, marketing; Jyotsna Bapat, electrical engineering; Richard J. Batty, leisure studies; Booker S. Carpenter, art education; Sarah A. Cox, comparative literature; Robert B. Hass, English; Mehrdad Hemmat, chemical engineering; Michelle Kneissl, plant physiology; Christine B. Morris, art education; Sanjay Radhakrishnan, industrial engineering; Barbara Redmond, theatre arts; Mark Youndt, business administration.

Mr. Altsech, a Ph.D. candidate in marketing, has taught four courses in marketing. He was recognized as a Smeal College of Business Administration Teaching Fellow in fall 1993 and was nominated for two college graduate student teaching awards. He was invited to teach international marketing in Greece during summer 1995.

Ms. Bapat, a Ph.D. candidate in electrical engineering, has taught three courses in electrical engineering and has been involved with the Leonard Center for the Enhancement of Engineering Education in its program to improve courses. In 1994, she

received the center's Superior Teaching Assistant Recognition Award, a College of Engineering award and holds a dean's fellowship.

Mr. Batty, a Ph.D. candidate in leisure studies, has taught two courses and has given guest lectures in five other courses. In addition, he is a member of the board for the Penn State Recreation and Park Student Society and on the National Student Board for the National Recreation and Park Association (mid-Atlantic section).

Mr. Carpenter, a Ph.D. candidate in art education, has taught five courses and was an assistant in a general education course. He has served as a mentor for new assistants assigned to teach an art education course and he is a general consultant and assistant in a professional block of five courses for art education majors.

Ms. Cox, a Ph.D. candidate in comparative literature, has been responsible for her own sections of Japanese language courses for fall and spring semesters. She also has team-taught a summer intensive program for Japanese language instruction. She served as a departmental representative to the "Language 3" initiative, involving the development of computer initiatives to support foreign language instruction.

Mr. Hass, a Ph.D. candidate in English, has taught a wide variety of courses from freshman composition to poetry writing to technical and business writing. He received an Academy of American Poets Prize in 1992 and an Associated Writers Program Intro Journals Award in 1993. He held a fellowship at the Bread Loaf Writers Conference in 1992 and was inducted into the Phi Kappa Phi honor society in 1992.

Mr. Hemmat, a Ph.D. candidate in chemical engineering, has served as a teaching assistant at

all levels and was responsible for the computer laboratories of the department. He served as an instructor for an upper-level chemical engineering course. He is a member of Tau Beta Pi, the engineering honor society.

Ms. Kneissl, a Ph.D. candidate in plant physiology, has taught two introductory biology courses and an introductory plant science course. She is co-author of a lab manual utilized in the introductory plant science course.

Ms. Morris, a Ph.D. candidate in art education, has taught a required art education course for elementary education majors. Prior to Penn State, she has taught at public schools, art museums and universities, developing dance, art and theatre arts curricula. She also served as an art education textbook reviewer for the North Carolina Education Department.

Mr. Radhakrishnan, a Ph.D. candidate in electrical engineering, has served as teaching assistant or instructor for several industrial engineering courses and a chemistry course. He received the industrial engineering department's outstanding graduate teaching assistant award this spring.

Ms. Redmond, an MFA candidate in acting, has taught several theatre arts courses at the undergraduate and graduate level and served as an assistant to a senior faculty member who teaches acting. She is pursuing her graduate degree after a career as an actress, playwright and director.

Mr. Youndt, Ph.D. candidate in management and organization, has taught three upper-level management courses. A Phi Beta Kappa, he has full responsibility for the courses including course design and syllabus construction as well as classroom teaching and grading.

## University lauds engineering alumni for leadership roles

GKN Walterscheid, Inc. and GKN Walterscheid Canada, Inc.

—Robert J. McNamara, the founder and partner of McNamara/Salvia, Inc. Consulting Engineers.

—Kenneth S. Moffitt, vice president and general manager of Ingersoll-Rand's Rotary Drill Division.

—John W. Newlin, Jr., vice president, manufacturing for Tootsie Roll Industries, Inc.

—William M. Ramsey, vice president, worldwide manufacturing, for Compac Computer Corporation.

—John C. Sager, NASA senior agricultural engineer.

—A. Edward Scherer, vice president, business development for ABB Combustion Engineering Nuclear Operations.

## Appointments

### Graduate school dean appointed

Rodney A. Erickson, professor of geography and business administration, has been named dean of the Graduate School, effective July 1.

"Dr. Erickson is well-qualified to hold the position of dean of the Graduate School at Penn State," President Thomas said. "He has had significant accomplishments in scholarship and research, and has demonstrated leadership skills that are needed to promote the quality and substance of graduate education at Penn State in the years ahead."

As dean, Dr. Erickson will have broad responsibility for providing both internal and external leadership, visibility, and advocacy for graduate education. The Graduate School offers 18 academic and professional degrees in more than 130 fields. More than 10,000 students are currently enrolled in graduate programs at University Park, The Milton S. Eisenhower College, Penn State Erie, The Behrend College, Penn State Harrisburg, Penn State Great Valley, and the Monroeville Center.

Dr. Erickson will be responsible for strategic planning and budgeting for the Graduate School, graduate student recruitment and admissions, fellowships and awards, degree standards, monitoring of graduate student progress, certification for awarding of degrees, administration of intercollegiate graduate degree programs, graduate students and programs data collection and processing, and final approval of appointments to the Graduate Faculty. In addition, he will serve as chair of the Graduate Council.

Dr. Erickson began his career at the University of Wisconsin-Madison as an assistant professor of urban and regional planning. In 1977, he was appointed assistant professor of geography and regional scientist, Regional Analysis Center, in the Institute for Research on Land and Water Resources at Penn State. He was appointed professor of geography and business administration in July 1984.

During his tenure at Penn State, he has held a number of administrative positions, including appointment as head of the Department of Geography from December 1989 to July 1994. He presently serves as director of the Center for Regional Business Analysis and associate director of the Division of Research in The Smeal College of Business Administration.

Dr. Erickson was a Fulbright Senior Research Scholar in the United Kingdom and a Simon Senior Research Fellow at the University of Manchester in 1982. In 1989, he was a research fellow with the American Statistical Association and National Science Foundation of the U.S. Bureau of the Census.

### Vice provost takes on new role

Vice Provost Grace Hampton has been tapped to help Penn State further its role in the development of the arts.

Dr. Hampton, who since 1988 has had primary responsibility for academic personnel matters, including promotion and tenure, will move to her new assignment July 1, when she will serve as executive assistant to the provost for development of the arts.

"I am very pleased that Dr. Hampton has agreed to take on this leadership role at Penn State," John Brighton, executive vice president and provost, said. "Neil Porterfield, dean of the College of Arts and Architecture, and I have asked her to review

and assess where Penn State is in the arts and where we should go, in both the University and the community."

"I am thrilled by this opportunity to contribute to the advancement of the arts at Penn State," Dr. Hampton said. "This is my academic discipline. I look forward to working with all of those interested in the arts to advance Penn State's position in this very exciting area."

Dr. Hampton came to Penn State in 1985 to direct the School of Visual Arts and as professor of art and art education. She brought with her a wide range of hands-on teaching experience, and a broad variety of educational perspectives from her previous academic institutions, both large and small.

Before moving to Penn State, she chaired the art department and served as associate professor for five years at Jackson State University in Mississippi, where she directed the education program and was assistant professor at the University of Oregon; and held teaching posts at institutions in Illinois, California and Arizona.

In addition, she has taught in public schools, lectured on curriculum development, and made presentations at national and international conferences. She also served on the board of the national Association of Schools of Art and Design, the Getty Institute for Educators on the Visual Arts in Los Angeles and was an exhibitor and member of the American Delegation to the Second World Festival of Black and African Arts and Culture in Lagos, Nigeria.

Dr. Hampton's experience extends beyond the academic sphere. From 1983 to 1985, she served in Washington, D.C. as assistant director at the Expansion Arts Program at the National Endowment for the Arts. There she had the opportunity to become familiar with the practices and processes of a major federal grant-awarding agency.

Dr. Hampton holds a bachelor's degree from the School of the Art Institute of Chicago, a master's degree in science education from Illinois State University and a Ph.D. in education from Arizona State University.

### Acting chief named in Libraries

Katie Clark, head of the Life Sciences Library, will become acting chief of Reference and Instructional Services for the University Libraries, effective June 5.

Prior to coming to Penn State in 1990, Ms. Clark was assistant head of the Reference Division at Texas A&M University in College Station, Texas. From 1985-89, she served there as Reference Librarian. She has also held positions at the Rochester Public Library in Rochester, New York, and the University of Hawaii in Honolulu, Hawaii.

While at Penn State, Ms. Clark has been involved in many service activities. She is a member of the Library Committee for the College of Agricultural Sciences and the University Faculty Senate. Within the Libraries, she serves as a member of the Promotion and Tenure Committee; co-chair of the Johnson & Johnson Health Information Network Committee; leader of the Life Sciences Collection Group; member of the Information Desk CQI Team; and chair of the Information Desk CQI Team, and chair of the African American Studies Round Committee.

Ms. Clark is a member of the American Library Association, where she serves as chair of the Association of College and Research Libraries Science and Technology Section. She received a bachelor of arts degree in biology from Mount Holyoke College, a master's degree in botany from the University of Hawaii, and a master of library science from



Grace Hampton

the Graduate School of Library Studies, University of Hawaii.

### Coordinator promoted to acting assistant dean

Sally Kalin, coordinator of the University Libraries Computer-Based Resources and Services Team (CBRST), has been appointed acting assistant dean and head of Collections and Reference Services Division for the University Libraries.

Ms. Kalin has worked at the University Libraries since 1978, beginning as a general reference librarian. From 1984-89, she was reference librarian and LIAS coordinator for the Reference and Instructional Services Division. In 1992, she became coordinator of CBRST. Prior to coming to Penn State, Ms. Kalin was assistant librarian for Public Services at Lynchburg College, VA.

She is a member of the University Appeals Board, president of the Faculty Staff Club, secretary of the Palmer Museum of Art Advisory Board, and has served on the Faculty Senate. Within the Libraries, she has served as chair of the Libraries Promotion and Tenure Committee and member of the Libraries Academic Council.

Ms. Kalin's research focuses on the remote use of library information systems and how academic libraries support this use. She was awarded a grant from the Council on Library Resources in Washington, D.C., to study services to remote access users of online catalogs in various academic libraries.

She is a member of the American Library Association, and serves as a member of the College and Research Libraries Division, the Reference and Adult Services Division, and the Library and Information Technology Association.

She received a bachelor of arts degree from Penn State and a master of library science degree from the University of Pittsburgh School of Library and Information Science.

### Faculty fellows named

Smeal College faculty members Kenneth M. Lush, Chris J. Muscarella, Charles C. Snow, and Mita Sujian have been honored with faculty fellowship positions.

Dr. Lush, chair of the Department of Insurance and Real Estate and professor of business administration, has been awarded the Zimmerman Homes University Endowed Fellowship in Business Administration. The fellowship was created through a gift from Penn State alumnus Calvin Zimmerman and his wife, Pamela. Dr. Lush is also the director of The Smeal College's Institute for Real Estate Studies and pursues research in investment analysis and real property valuation.

Dr. Muscarella has been named to the L.W. "Roy" and Mary Lois Clark Teaching Fellowship, established through a gift from Mrs. L.W. Clark, Lynn Clark and William Clark, a Penn State Alumni Fellow. Dr. Muscarella is an associate professor of finance with research interests in initial public offerings and leveraged buyouts.

Dr. Snow is the recipient of the Mellon Bank Faculty Fellowship, developed through a gift from the Mellon Bank Foundation. The couple is the author of the book, *Fit, Failure, and the Half of Enme*. Dr. Snow is professor of business administration in the college's Department of Management and Organization. He is currently researching issues in competitive strategy, organizational design and human resource management.

Dr. Sujian, professor of marketing, has been awarded the Charles and Lillian Binder Faculty Fellowship, established through a gift from the estate of Lillian E. Binder. Dr. Sujian is undertaking studies in consumer expertise and product evaluation.



Rodney A. Erickson



# CQI

CONTINUOUS  
QUALITY  
IMPROVEMENT

## Annual IBM-TQM Sharing Conference

The Rochester Institute of Technology hosted the annual IBM-TQM Sharing Conference on May 15-17. Representatives from the eight colleges and universities that have each received a \$1 million grant from IBM met to discuss their most recent efforts to develop the principles and tools of total quality management in the business and engineering curriculum and in the administration of their institution's academic and support units. Penn State's representatives were J.D. Hammond, dean of The Smear College of Business; Paul Rigby, associate dean for research in The Smear College; David Wormley, dean of the College of Engineering; and Al Soyser, professor and head of industrial and management systems engineering.

Attendees were able to select from among nine workshops over the two and a half day conference. Examples included:

- **Teaching and Learning**
  - what role do faculty play in this process?
  - what is the impact of teaming students in classes?
  - how do you build and sustain effective teams?
  - what role does feedback play in improving effective teaching?
  - how are improvements measured?
  - what are the best methods of obtaining and utilizing student feedback?

- **Faculty Involvement in Total Quality**
  - how do you define and measure faculty involvement?
  - how do you obtain buy-in from faculty?
  - how do you support and sustain involvement?

- **Curriculum Development**
  - how do you assess customer requirements?
  - how do you assess the impact of the curricular changes?

- **Administration**
  - how has the adoption of TQ changed the way administrators behave?
  - what administrative policies and procedures have been affected by TQ?

Other schools participating in the conference were Clark Atlanta University, Southern College of Technology, Oregon State University, Georgia Institute of Technology, University of Wisconsin at Madison, University of Houston-Clear Lake, and University of Maryland at College Park.

If you would like more information about CQI, please contact Louise Sandmeyer, executive director, or Carol Everett, assistant director of the CQI Center, 814-863-8721.

## Penn Staters

Judy Diane Grace, associate director of the National Center on Postsecondary Teaching, Learning, and Assessment at the Center for the Study of Higher Education, has been named to the Advisory Board of the Community College Institute for Research and Development at the University of Arizona. The Institute, serving colleges in the United States and in Canada, is committed to assist in the improvement of community colleges through the advancement of knowledge relevant to community colleges and to serving community college practitioners in fulfilling the institutions' purposes.

Patricia Draper, professor of anthropology and human development, has been named to the Advisory Committee of the National Science Foundation's Directorate for Social, Behavioral and Economic Sciences. The directorate, one of seven principal units of the NSF, is organized into five research clusters: anthropological and geographic sciences, cognitive, psychological and language sciences, economic, decision and management sciences, social and political sciences, and science, technology and society.

Frank C. Evans, assistant professor of accounting at the Penn State Shenango Campus, was named 1995 outstanding accounting educator by the Pennsylvania Institute of Certified Public Accountants (PICPA). The Outstanding Accounting Educator honor recognizes academic and civic accomplishments. In addition to teaching, he has written numerous articles and taught more than 100 accounting and financial management seminars for business owners and managers.

Elizabeth Hanley, assistant professor of exercise and sport science, has been invited by the Greek Olympic Committee to direct the dance workshop at the 35th session of the International Olympic Academy (IOA), Ancient Olympia, Greece. She also has been invited to join the IOA Alumni Association session.

John S. Nichols, associate professor of communications, recently participated in an international conference titled "Media Power at Century's End: News, Money and Technology" to celebrate the tenth anniversary of the Freedom Forum Media Studies Center at Columbia Uni-

versity. He was a fellow at the center in 1985-86 and served as a panelist at a plenary session on "Unsettled Issues for Media and Democracy."

Donna S. Queeney, director of research and external relations for Continuing and Distance Education, has been elected to a two-year term as a member of the board of directors of the National University Continuing Education Association (NUCEA). As the representative for NUCEA's 20 divisions, she is serving as a liaison between the division cabinet, comprised of representatives from each of the divisions, and the board of directors.

Raja V. Ramani, professor and head, Department of Mineral Engineering, has been named one of 15 members of the newly established advisory board of the U.S. Bureau of Mines.

The board, comprised of experts in various mineral-related fields, advises the Bureau of Mines on the direction, priority and scope of program activities. Dr. Ramani is currently president of the Society of Mining, Metallurgy and Exploration, Inc.

John Vincenti, coordinator of special projects in the Department of Nuclear Engineering, has been elected chair of the Keystone Energy Education Network (KEEN), a consortium of organizations from education, government, and industry interested in energy education.

Glenn G. Williamson, curator of collections at the Palmer Museum of Art on the University Park Campus, has been named a John Randolph and Dora Haynes Fellow. The fellowship will allow Mr. Williamson to conduct research at the Huntington Library in San Marino, Calif. Mr. Williamson will continue his research of the transcontinental railroad, "The Excavation of the West: Visual Culture and the Transcontinental Railroad."

The Huntington is a research institution devoted primarily to the study of British and American history, literature, science and art. Each year about 500,000 people visit the Huntington, and nearly 1,800 recognized scholars are at work there.



**Lazy summer days**

Some of the University's flock of about 60 sheep were recently caught whiling away the hot days in the shade of their pens. The sheep are kept by the University and serve as model research animals for students studying livestock husbandry.

Photo: Greg Grieco

## Obituaries

Leo A. Bressler, retired associate professor of English, died April 3. He was 83.

He received a bachelor's degree from Ursinus College in 1932, a master's degree in English in 1934, and a Ph.D. in American civilization from the University of Pennsylvania in 1951.

Dr. Bressler taught English at Hegins Township High School from 1934 to 1957 and served as a graduate assistant at the University of Pennsylvania in 1946 and 1947 while working on his doctorate. He joined the Penn State English faculty as an instructor in 1937.

He enlisted in the U.S. Navy in December 1943, and served as a pharmacist's mate on the U.S. Alcoa Patriot.

At Penn State, he taught graduate courses on Emerson and Thoreau, and developed a course on "Teaching English in High School" for secondary teachers. He was the author of articles in professional journals, on subjects ranging from 18th century Federalism to Pennsylvania-German culture. With his wife, he coauthored three books, *Youth in American Life: Selected Readings*, *Country, Conscience and Conspiration*, and *Peace or War: Can Humanity Make the Choice?* He retired in 1971.

Clifford C. Clogg, distinguished professor of sociology and professor of statistics, died May 7 at the age of 45.

He was an internationally renowned expert in quantitative methods and demography, particularly for his work on the analysis of rates, standardization methods and later, computer analysis. He made important contributions to the statistical analysis of categorical data. During the past five years, he has been one of the foremost experts on National Academy of Science panels and professional association committees of population statistics in the United States.

He earned his B.A. degree in sociology, summa cum laude, from Ohio University in 1971 and M.A. in sociology and M.S. in statistics in 1974 and Ph.D. in sociology in 1977, all from the University of Chicago. He was inducted into Phi Beta Kappa national honor society.

Dr. Clogg joined the University faculty as assistant professor of sociology in 1976 and was named assistant professor of sociology and statistics in 1979. He became associate professor of sociology and statistics in 1981 and professor in 1985. He was designated a distinguished professor of sociology and professor of statistics in 1990.

He served as a fellow of the Center for Advanced Study in the Behavioral Sciences at Stanford University in 1983, guest professor of the Zentrum fuer Umfragefragen, Methoden und Analyse in Mannheim, Federal Republic of Germany in 1988 and guest professor at the Bergische Universität in Wuppertal, Germany in 1992.

Among his honors, he was a fellow of the American Statistical Association in 1987, the Royal Statistical Society in

1990, and the American Association for the Advancement of Science (1993). He was elected a member of the Sociological Research Association in 1987 and received the Paul F. Lazarsfeld Award from the Methodology Section of American Sociological Association for his major contributions to the development of methodology for social research. In 1993, he was named to *Who's Who in Science and Engineering*.

Memorial contributions may be made to the Clifford C. Clogg Memorial Fund in care of Penn State, 1 Old Main, University Park, PA 16802.

Rose Mary Cologne, professor emerita of adult education, died May 14 at the age of 93. She received her B.S. and M.S. in home economics from Colorado State University and earned an Ed.D. in adult education from Columbia University.

Coming to Penn State in 1941 as an assistant professor of home economics, Dr. Cologne later became a full professor and served as head of the Division of Home-Community Relationships from 1961 to 1968 in the College of Human Development, now the College of Health and Human Development.

During her tenure at Penn State she also served as a professor of adult education in the College of Education and as a specialist in community adult education with University Extension. In this capacity she developed training programs for leaders in such organizations as the Federal of Women's Clubs, League of Women Voters, YWCA, AFL-CIO, and the Jaycees.

Between 1948 and 1951 Dr. Cologne twice took leave from the University to work in Japan developing programs for the Citizens Public Hall and for the Civil Information and Education of Supreme Command of the Allied Forces. During 1960-1961 she again pursued international work by developing home economics programs for secondary and higher education institutions in Kabul, Afghanistan.

Dr. Cologne was a member of numerous honor societies and professional organizations including Phi Kappa Phi, the American Home Economics Association, and the Adult Education Association of Community Education for which she served as president. During her career she received many awards for her outstanding achievements including the Citation of Merit from the Pennsylvania Association for Adult Education in 1963, the Alumni Award from the College of Human Development in 1967, and Honor Alumna from Colorado State University in 1975.

Upon her retirement from Penn State, Dr. Cologne emersed herself in full-time volunteer service. She served on the boards of nine Centre County organizations including the Council for Human Services, Family Planning, Meals on Wheels, Christian Mission and the Tri-County Habitat for Humanity. She gave thousands of

hours of service to individuals and organizations in her community and was recognized for her contributions with the Benjamin Rush Award from the Centre County Medical Society in 1968, the Volunteer of the Year award from the Centre County Council for Human Services in 1972, the Outstanding Service Award from the Pennsylvania Prison Society in 1985, and the Common Cause Public Achievement Award in 1988. In 1995 she was accepted into the National Women's Hall of Fame.

Kenneth H. Dixon Sr., maintenance mechanic, College of Agricultural Sciences; from May 5, 1952, until his retirement June 1, 1973; died April 30. He was 84.

Walter H. Filson, maintenance worker, utility, Office of Physical Plant; from May 16, 1973, until his retirement Aug. 1, 1984; died April 27 at the age of 77.

Albert K. Henry, cheesemaker-processor, College of Agricultural Sciences; from June 1, 1947, until his retirement Jan. 1, 1985; died Feb. 23 at the age of 71.

Ardel W. Hosterman, intramural equipment and facilities worker, College of Health and Human Development; from Nov. 16, 1949, until his retirement April 1, 1984; died April 16 at the age of 70.

James A. Lauck, research machinist, College of Engineering; from April 1, 1953, until his retirement Sept. 1, 1981; died March 8. He was 73.

Anne S. Lovett, secretary, Penn State New Kensington Campus; from Sept. 1, 1968, until his retirement April 1, 1983; died Jan. 19 at the age of 74.

Stanley Minko, residence hall project worker, Housing and Food Services; from Sept. 14, 1967, until his retirement June 9, 1981; died April 2. He was 76.

Elizabeth H. Thomas, former head librarian at the Penn State Mont Alto Campus; died May 8. She was 75.

She earned a bachelor's degree from Smith College, Northampton, Mass., and was a registered bacteriologist for the National Institute of Health on parasitic diseases. She then obtained a master's degree in library science from Catholic University in Washington, D.C., and was head librarian at the Mont Alto Campus.

She was an avid bridge player and a naturalist. In 1985, she published the book, *A History of the Pennsylvania State Forest School, 1903-1929*.

Ronald A. Yavorosky, director of business services at the Penn State Schuylkill Campus since Aug. 21, 1978, died March 5. He was 44.

## Committee named to raise funds for Harrisburg library

A 20-member committee will direct the effort to raise \$2 million to help equip the new library planned for Penn State Harrisburg.

The committee will run the public phase of the "Library of the Future" campaign. About \$530,000 in private donations already has been pledged.

The state has committed \$17.3 million for the design and construction of a library and classroom building on the campus.

Carl L. Campbell, president and chief executive officer of Keystone Financial Inc., will chair the campaign. He is a member of Penn

## The public phase of the campaign to raise \$2 million for the "Library of the Future" has kicked off.

State Harrisburg's board of advisors.

Richard Barger of Ernst & Young will serve as the alumni chair of the fund-raising campaign and developer John Vartan will be honorary alumni chair.

Committee members are: Edward Book, retired from Travel Industry Association of America; William Christ, senior vice president and chief financial officer of Hershey Foods; Keith Clark, an attorney with Shumaker, Williams; and William Clark, retired from Pennsylvania Airlines.

Also: Harris Freedman, president of Freedman and Co.; Raymond Gover, publisher of *The Patriot-News*; Irving Hand, professor emeritus at Penn State Harrisburg; Caroline Diamond Harrison, general manager of *The Patriot-News*; and Albert Herbert, retired president of Pennsylvania Independent Telephone Co.

Also, James Mead, president of Capital Blue Cross; Gerald Morrison, an attorney with Buchanan Ingersoll, Ralph Peters, chair of Bonetec Associates; Samuel Ross, president and chief executive officer of Pennsylvania Blue Shield; James Taylor, president of Penn National Insurance; and Sondra Osler, Jean Skinner and Alyce Spector, all community volunteers.

The state is seeking an architect to design the building. The design process could take up to two years, meaning construction isn't likely to begin before 1997. The building could be completed by 1999.



## Long-term intervention best, study shows

Children in a Head Start-like program for five or six years were better at reading and math and less likely to be held back in school, compared to youngsters in the program for three years or less.

The findings, from a study of 1,106 African-/Black-American youngsters in Chicago, suggest that the way to intervene to educate inner-city children is to keep them in a program through the early primary grades.

Arthur Reynolds, assistant professor of human development at Penn State, says the most successful children in the Child Parent Center and Expansion program were those who were in it the longest. The program works with some of Chicago's lowest-income children.

Dr. Reynolds found that youngsters in the preschool-/kindergarten program and in the follow-up program in the first to third grades scored, on average, five months higher in fifth-grade reading achievement than children who did not participate in the follow-up but who were graduates of just the preschool-/kindergarten program. A similar finding occurred for math achievement, he says.

Moreover, children who participated in the total program from preschool to third grade had a 52 percent lower rate of being held back in fifth grade than children with the preschool-/kindergarten experience or less.

"The preschool-/kindergarten component contributed significantly, but it's the total program that appeared more effective at promoting longer-term school success," Dr. Reynolds says. "The findings indicate that participation in the extended program also helped prevent the fading effects of earlier intervention for at least several years."

To date, few studies have provided empirical support for the value of extended intervention, Dr. Reynolds says.

The Child Parent Center

**"Invest significantly in children at an early age or spend a lot more later when kids are having greater problems."**

Arthur Reynolds  
assistant professor of human development

and Expansion program is similar in focus to Head Start and is funded through the federal Title I program. It's an established government-funded program that is less expensive per student than most model education

programs, he says. "In 1991 dollars, the cost of the program is about \$4,000 per child per year, which is about the same as for Head Start," Dr. Reynolds says. "That is a small amount relative to

many other model programs, which average closer to \$10,000.

"This is an issue of prevention. Invest significantly in children at an early age or spend a lot more later when kids are having greater problems. The program offers significant benefits to children, families and to society," he adds.

"The results of this study indicate that extended early childhood programs that are as effective as this one should be implemented on a large scale. They encourage stability in school and at home and occur at an important time in a child's development, which is the transition to formal schooling."

Children in the study participated either in the program, beginning with preschool in 1983-84 and ending with fifth grade in 1991, or in six schools without it. Because children varied in years of intervention, there were six different comparison groups in the study. The intervention group scored higher in all comparisons with the other six groups, Dr. Reynolds says.

The program focuses on reading skills and social development. It emphasizes parents' involvement in their children's education, smaller class sizes, and other comprehensive assistance, such as physical health and support services for the children. Parents participate in classrooms, in school activities and interact with each other in the schools.

"These features help children make the transition from home and preschool to school more successfully," Dr. Reynolds says. "Involving schools in this way creates a support structure that promotes positive family interaction and child development, which leads to better school success."

— Scott Turner



Arthur Reynolds, assistant professor of human development

Photo: Greg Grieco

### Research



Musical helps heal brain-injured

Researchers at The Hershey Medical Center have found that twice-a-week music therapy has helped brain-injured patients to better communicate, socialize, and regain some self-confidence. The patients also reported feeling less depressed after undergoing treatment for 1- weeks.

Neuropsychologist Dr. Paul Eslinger, associate professor of medicine and behavioral science, and music therapist Janice Stouffer, both at Hershey, divided 20 patients with brain injuries into two groups. One group met twice a week for music therapy. The other met twice a week in an informal discussion-support setting.

"It's easy to see who was helped by therapy," Ms. Stouffer says. "Many of the patients became more outgoing and cooperative."

"The tie between emotion and music is very close," Dr. Eslinger says. "We think both are processed in overlapping areas of the brain." Ms. Stouffer and her associates at Hershey's Living Unlimited Program hope that in the long run the program will enable patients to return to a productive role in society.

### Women's managing style may save corporations

The very qualities that have traditionally barred women from management's top ranks may be a saving grace to many of America's struggling corporations, a new book suggests.

*Performance Engineering at Work*, edited by Penn State management professor Peter J. Dean, reveals that an increasingly competitive, global business climate has forced many American firms to dramatically alter traditional, dictatorial management practices in favor of the more participative approach generally employed by women.

"Companies today are finding that they have to make changes to be competitive," says Lynda Phillips-Madson, author of a chapter of the book and an associate professor of business administration at Penn State's Great Valley graduate campus in suburban Philadelphia. "History has surely shown us that dictatorial approaches — no matter what the context — often don't work."



### Amaechi honored

The academic honors continue to accumulate for Penn State basketball standout **John Amaechi**. Mr. Amaechi, who concluded his senior season as the Nittany Lions' leading scorer and rebounder, was selected by the National Collegiate Athletic Association as the recipient of a \$5,000 postgraduate scholarship. He is the second Penn State student-athlete to win a scholarship this year. Earlier, football cornerback **Tony Pittman** was selected to receive a similar grant. Mr. Amaechi, a native of England, was the CoSIDA-CTE Academic All-America of the year in men's basketball. He made first team Academic All-America for the second consecutive year.

### Men's volleyball

For the second straight year, the Penn State men's volleyball team made it to the NCAA championship game, becoming the first team outside the West to reach the title match in consecutive seasons, but UCLA exacted a measure of revenge for last year's upset by winning in three games.

Sophomore middle blocker **Ivan Contreras** was named to the NCAA All-Tournament team. He and teammate **Carlos Ortiz** were chosen to the American Volleyball Coaches Association All-America first team. Senior **Ed Josefowski** was a second team All-America selection.

### CFA recognition

For the fifth consecutive year and the ninth time in 15 years, Penn State has received honorable mention recognition from the College Football Association for its football graduation rate. The Nittany Lions were one of 16 CFA member institutions cited for a rate of 70 percent or better for the Class of 1994.

### QUICK TAKES

Rising sophomore **Terri Zemaitis** is one of 48 women's volleyball players selected to compete at the 1995 Olympic Festival July 21-25 in Boulder, Colo. Despite an 11-2 record and a No. 13 ranking, Coach **Glenn Thiel's** lacrosse team was denied a spot in the NCAA Tournament by the selection committee. Senior tennis standout **Ivan Spinner** has been selected to play in the NCAA Championship for the second straight year. The Lady Lion golf team finished fifth in the Big Ten Championships at Michigan, the best finish for the lady linksters since joining the conference in 1992.

### CARPOOLER

Interested in riding with someone from the Huntington area. Please call **Melanie** at 865-1412.



### Graduate No. 5,000

ROTC graduate **Willie Armstrong** (right) was officially commissioned by **William Perry** (second from right), U.S. secretary of defense, at recent commencement exercises at University Park. Mr. Armstrong is the 5,000 ROTC graduate to be commissioned by Penn State. Looking on are **John Cahir**, (left) vice provost and dean for undergraduate education, Col. **Harvey Shelton** (seated), U.S. Airforce, and Lt. Col. **William D. Flourbush** (second from left), U.S. Army.

Photo: Greg Greico

## Promotions

### Staff

**Kimberly A. Darrow**, technician, Research, The Hershey Medical Center.  
**Doris M. Davis**, staff assistant VII, Office of Human Resources.  
**Criste S. Derr**, staff assistant VI, The Hershey Medical Center.  
**Terry L. Dowdy**, financial officer IV, Corporate Controller's Office.  
**Brian A. Egan**, extension assistant, College of Agricultural Sciences.  
**Carol S. Findley**, lead applications/programmer analyst, Office of The President.  
**Lori D. Freedman**, staff assistant VI, The Hershey Medical Center.

**James A. Galio**, assistant manager, Operations, Computer and Information Systems, Telecommunications.

**Mary E. Gates**, staff assistant VI, Division of Development and University Relations.

**Paul M. Hallacher**, director, Research and Graduate School.  
**Amy L. Hensal**, staff assistant VI, School of Communications.

**Daniel W. Hirschbiel**, microcomputer systems consultant, Office of Physical Plant.

**Donna L. Hockenberry**, staff assistant VI, Office of Human Resources.

**D. F. Horner**, coordinator, ICA equipment and stockroom, Intercollegiate Athletics.

**Carolyn M. Hostler**, supervisor, Central Transport, The Hershey Medical Center.

**John B. Kalbach**, systems engineer II, Computer and Information Systems, Telecommunications.

**Cathy L. Kanour**, employment assistant, Office of Human Resources.

## PENNSTATE INTERCOM

Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
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**Lisa M. Rosellini**, editor  
**Kathy Norris**, staff assistant/calender

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June 15, 1995

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*"The Jordan Center is going to have a positive impact on the quality of life in this region."*



Construction work continues on the 16,000-seat arena at University Park campus.

Photo: Greg Gnesco

## Jordan Center on target for 1996

From its 92-foot high ceiling to its 360,000 square feet of space, the Bryce Jordan Center on the University Park Campus is impressive in its magnitude.

Although hard-packed, clay-colored earth still serves as the floor and more than a dozen construction vehicles are parked in the bowl of the 16,000-seat arena, the cavernous multi-purpose facility, expected to be completed by Nov. 28, is quickly taking shape.

The \$53.8 million Jordan Center near Beaver Stadium will host academic, professional, cultural and entertainment events, as well as men's and women's basketball games. On schedule and within budget, the center — funded with \$33.8 million from the state and the remainder from private donations — is expected to annually attract hundreds of thousands of people to the area and boost the local economy by nearly \$24 million a year.

As the largest facility ever constructed with state

Department of General Services funds in the field of education, the Jordan Center is the largest facility of its kind between Philadelphia and Pittsburgh and the third largest arena in the Big Ten Conference.

"Because of the types of events and the diversity of the clientele anticipated, this facility is going to have a major positive economic impact on the region," Gary Crowell, secretary of the Pennsylvania Department of General Services and a Penn State alumnus, said. "We're not just talking about the 500 full- and part-time jobs that are expected to be created at the center, but all of the spin-off jobs that come into play — vendors, food sales and hotels."

"When this facility is completed it will certainly help lead to a discovery of this area by other businesses and it will be seen as a signal of a healthy local economy."

See "Jordan Center" on page 7

## University a leader in Sloan fellows

Penn State ranks among the top 10 American universities in the number of faculty awarded Alfred P. Sloan Foundation fellowships.

Nationally, 100 young scientists and economists were selected to receive Sloan fellowships of \$30,000 each.

Penn State's four Sloan fellows, all from the Eberly College of Science, are: Curt J. Cutler, assistant professor of physics; Victor Nistor, associate professor of mathematics; Jorge A. Pullin, assistant professor of physics; and Paul S. Weiss, assistant professor of chemistry.

### SLOAN FELLOWS

#### How we stack up

1. MIT	7
2. University of Pennsylvania	5
University of Chicago	5
4. Penn State	4
Boston University	4
University of Illinois	4
Univ. of Calif.—Irvine	4

Seven institutions each had three Sloan fellows: Michigan, Cal Berkeley, Harvard, Johns Hopkins, Columbia, Northwestern and Princeton.

## Senior v.p. to leave University

G. David Gearhart, 43, senior vice president for development and University relations, has been named senior vice president and managing director, effective Oct. 1, of a nationally prominent philanthropic man-



G. David Gearhart

agement consulting firm, Grenzebach Clier & Associates, with offices in Chicago, Ill., and Cambridge, Mass.

"We are delighted that Dave Gearhart will be joining the firm as a senior member of our management team," said John J. Glier, president and chief executive officer of Grenzebach Clier

& Associates. "He is one of the most highly respected advancement professionals in the country. His expertise will greatly enhance

See "Gearhart" on page 3

## DIVERSITY

# Scholars enhance Summer Sessions

Ten scholars will share their knowledge in fields ranging from African art to enhancing cultural pluralism in agriculture during the ninth annual Scholars in Residence program this summer.

The program, which brings scholars from other universities to teach, meet students and engage in research, gives minority scholars the opportunity to become familiar with Penn State's education and research programs while enhancing cultural diversity.

Glady Bonilla, associate professor, Department of Humanities, Universidad Metropolitana, will teach 11th- and 12th-grade students to develop their writing skills, prepare for the SAT, and work with writing journals at the Penn State Allentown Campus from June 30 to Aug. 10. Kenneth McGeary, director of Continuing and Distance Education at the Allentown Campus (610-285-5013), is Dr. Bonilla's host.

W. P. Buckner Jr., professor of health education, University of Houston, will teach a course, "Culturally Competent Health Professionals," and conduct seminars for graduate students on the professional preparation of health educators at University Park from June 20 to July 6. Collins Airhihenbuwa, associate professor of health education (814-863-0435), is Dr. Buckner's host.

Lillian Rae Dunlap, an assistant

professor at the University of Missouri, will give seminars on "Race, Ethnicity and the Media" and will be a guest lecturer in various classes at University Park from June 8 to Aug. 2. Terri Brooks, dean of the College of Communications (814-865-6597), is Dr. Dunlap's host.

Yida Farre-Rigau, associate professor and director of Extension and Continuing Education, University of Puerto Rico — Rio Piedras Campus, will teach classes, conduct workshops and participate in networking/resource sessions relating to cooperative learning and English as a second language at the Penn State York Campus from July 5 to July 22. Beth Gill-McDonald, professional development coordinator, York Campus (717-771-4000), is Dr. Farre-Rigau's host.

James Phillip Jeter, professor and director of graduate studies, Division of Journalism, Florida A&M University, will teach a broadcast journalism course at University Park through Aug. 15. Terri Brooks, dean of the College of Communications (814-865-6597), is Dr. Jeter's host.

Alvin Larke Jr., an associate professor in the Department of Agricultural Education, Texas A&M University, will give a lecture, "Enhancing Cultural Pluralism in Colleges of Agricultural Sciences," and will be at University Park through June 30. Blannin Brown, professor of Agricultural and Extension Education (814-863-7850), is Dr. Larke's host.

Miriam R. Plata Monllor, an assistant professor at the University of Puerto Rico, Rio Piedras, will hold writing workshops and creative writing exercises on reading, critical thinking, and preparing students to take the SAT exam with exercises on vocabulary development, reading comprehension and word usage at the Penn State Allentown Campus from July 1 to Aug. 10. Kenneth McGeary, director of Continuing and Distance Education at the Allentown Campus (610-285-5013), is Ms. Monllor's host.

Sharon Pruitt, associate professor of art history, Jenkins School of Art, East Carolina University, will teach a course on African art at University Park through Aug. 5. Roland E. Fleischer, professor of art history (814-865-6326), is Dr. Pruitt's host.

Laura Pulido, an assistant professor at the University of Southern California, will teach a course on race and environmental justice at University Park through Aug. 15. D. M. Liverman, associate professor of geography (814-865-3433), is Dr. Pulido's host.

Carlos Rodriguez, a research analyst at Pelayo Research Institute, will teach a course on "Minority Issues in Education" at University Park through June 16. Patrick Terenzini and James Ratcliff, with the Center for the Study of Higher Education (814-862-2690), are Dr. Rodriguez's hosts.

# University offers number of programs in summer months for minorities

The University's regular classes are open and the population on campus has decreased, but there is still plenty of activity at University Park. In addition to regular summer semester courses leading to graduate and undergraduate degrees, enrichment programs offer new experiences and a chance to improve old skills and learn new ones.

More than 40 summer academic enrichment programs will be offered this year, including a number that focus on encouraging minorities to enter particular fields of study such as health, engineering and journalism.

The 20 college juniors and seniors from across the country entering the competitive Graduate Minority Health Careers Institute (June 25-July 30) will be studying health education, health policy and administration, clinical psychology, communication disorders or nutrition. Their high school counterparts in the Minority Health Careers Institute (July 1-28) also will study facets of the health professions, while the Minority Research Appren-

tice Program (various dates through Aug. 4) targets minority high school graduates who want to pursue careers in biomedical research or the health professions. Dan Trevino is the program director for all three programs.

The College of Engineering's Minority Engineering Program, directed by Sandra Johnson, is conducting three enrichment programs for high school juniors interested in careers in business, engineering or the sciences (July 8-Aug. 5). Participating students will receive college credits for their work. During the Visit in Engineering, Week's two one-week sessions, July 9-15 and July 16-22, high school seniors considering a career in engineering will take a close look at engineering and undergraduates in the Eberly College of Science who are enrolled in the Center for Undergraduate Research Opportunities will concentrate on actual research, under the direction of University faculty members.

For senior high school students interested in journalism, the College

of Communications has the Multicultural High School Journalism Workshop. From July 9 until July 21, these students get a short course on what it takes to be a reporter or writer. The college also has a two-week Multicultural High School Film/Video Workshop for 14- to 24-year-olds who see themselves as the next Spike Lee or Mario Van Peebles.

Other summer programs offered through the University's Academic Assistance Programs include Hispanics for Academics Program directed by Jesus Colon, a counselor at the Multicultural Resource Center. It's designed for college-bound Hispanic/Latino high school students entering their senior year this fall. In addition, the Summer Institute for Academic Achievement for pre-college freshmen who need additional academic support before starting Penn State is also being offered.

## COMMISSION for Women

A column informing the University community about the activities of the Commission for Women

## Sub-committees work to improve status of women

The mission of the Issues and Policies Committee of the Commission for Women is to identify issues critical to enhancing the status of women at Penn State and to review the progress made in implementing policies of equity. Because the mission is so large, this committee, chaired by Ellen Walker, has been divided into sub-committees to focus on issues pertaining to students, staff and technical service workers, and campus climate. Work being done by those committees includes:

The student issues sub-committee conducted a focus group to learn what students want from a mentoring program. They also benchmarked with current programs both at Penn State and other institutions. They are compiling a directory of PSU mentoring programs and are establishing a mentoring program.

The staff/tech service issues sub-committee revised a survey, which will be administered to technical service workers, to assess perceptions of professional growth opportunities. As a result of previous work of this committee, a Staff Focus Committee has been established to serve as an advisory group to the Office of Human Resources. This sub-committee has also consulted with the Office of Human Resources on issues pertaining to SPEAC and health coverage, especially women's health issues.

Another sub-committee explored ways to increase involvement in diversity. The goal of this group is to promote diversity by faculty, staff and students at all campus locations, and it was concluded that an electronic forum would permit that. A listserv is being implemented for topics, articles and questions. The University community will be able to subscribe to the diversity listserv and participate in discussions on diversity issues.

The Issues and Policies Committee continues to monitor child care, the Tenure Track Study completed last year, the effects on women of the downsizing of the University, the progress of domestic partner benefits and the inclusion of women candidates for leadership roles at the University.



# Gearhart

continued from page 1

our ability to serve some of our most distinguished university and college clients. We expect that Dave's work with us will have him involved in major university fund-raising campaigns around the country and in Great Britain as well. We have big plans for Dave. Gearhartzbach & Associates is one of the largest and most comprehensive philanthropic management firms in the United States, serving clients in Great Britain and Canada as well. Its higher education clients include some of America's most prestigious colleges and universities, such as Grinnell, UCLA, Georgetown, Johns Hopkins, Indiana, Minnesota, MIT, Bucknell and Washington. It also serves health care and medical institutions, such as Children's Hospital of Philadelphia, the Mayo Clinic, and M.D. Anderson Cancer Center; cultural organizations, such as Monticello, Thomas Jefferson's home, and Folger Shakespeare Library; regional and national institutions; and other nonprofit organizations. The firm's current client fund-raising goals total in excess of \$6 billion.

Dr. Gearhart leaves Penn State as planning and preparations for a second large-scale major gifts campaign continue to move forward in the context of this summer's presidential transition.

"While the prospect of staying on and providing support to the upcoming campaign for Penn State is very tempting, the Gearhartzbach & Associates firm has offered me a position that is extremely attractive and gives me the opportunity to redeploy my skills in ways that will continue to serve American higher education," Dr. Gearhart said.

"Penn State is well-positioned to take on its second major gifts campaign," he added. "The academic leadership and the campaign volunteers are united on campaign priorities and the campaign game plan, and they are very enthusiastic about moving forward under the new administration of recently named president Graham B. Spanier."

It has been his absolute pleasure to work with alumni and friends of the University who care so deeply about this institution and who have supported it so generously," Dr. Gearhart said. "Penn State is also blessed by talented and hard-working administrators, faculty and staff who have provided the personal support that has made so much progress possible."

Penn State President Joab Thomas, who will retire on Aug. 31, said, "Dave Gearhart has done excellent work for Penn State during the five years of my administration. I am deeply grateful for the opportunities he has helped to create for the Penn State learning community through substantially increased private gift support."

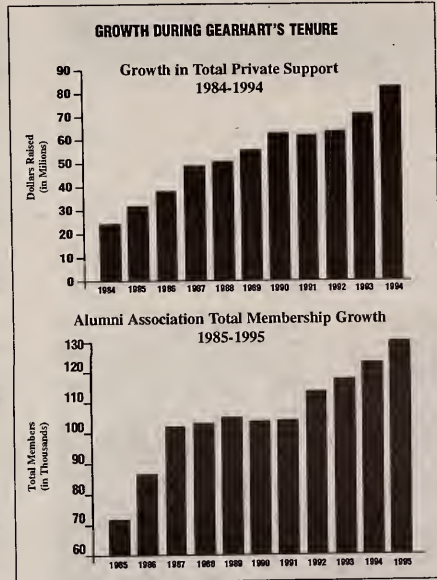
President-elect Spanier, who assumes the office on Sept. 1, said, "I am sorry that I will not have the opportunity of working with Dave Gearhart. I am very much impressed with the philanthropic legacy he has built at the University. I wish him well in his new venture. We will certainly remain firm in our commitment to increasing the levels of philanthropic support to Penn State through a new major gifts campaign."

Dr. Gearhart came to Penn State in 1985, and quickly organized and provided staff leadership for the Campaign for Penn State, the University's first major gifts campaign.

When it ended in 1990, Penn State had raised \$552 million in gifts and pledges, achieving 175 percent of its original \$300 million goal. The cam-

pagne also ranked as one of the five largest campaigns ever mounted by an American public university.

Since Dr. Gearhart's tenure at Penn State, the endowment has increased from under \$50 million to \$320 million, largely from fund-raising programs. The number of endowed faculty positions has increased from 19 to 160, and the number of endowed scholarships has more than tripled.



Dr. Gearhart increased Penn State's fund-raising momentum. The University raised even more than it did during the campaign, and in shorter time—\$360 million in actual gift receipts during the period between 1991-95.

This was made possible, in part, by a series of special "focus" campaigns which raised \$10 million for a new Biomedical Research Building at The Hershey Medical Center, \$22 million for the Bryce Jordan Center, which will be completed later this year, and \$14 million for an addition and renovations to Pattee Library. He also pioneered the concept

of strategic corporate alliances such as that between Penn State and Pepsi, which is generating \$8 million in new revenue over 10 years for the University.

William A. Schreyer, chairman of the University's Board of Trustees and chairman of the first Campaign for Penn State, said, "Gearhart developed a culture of fund raising at Penn State and brought total giving from \$24 million the year before he arrived to over \$83 million last year. That's a 240 percent increase, which is one of the highest

of any university in the country. During his tenure, the association became the largest dues-paying organization of its kind in America with 131,000 members. The association has the largest endowment fund of any Big Ten university, with a \$16 million portfolio."

The third component for which Dr. Gearhart was responsible was institutional relations—the public relations, communications, and marketing arm of the University. Under his leadership, he strengthened communications programs designed to position Penn State as one of the top universities in the nation. Two recent commissioned surveys found that Penn State was recognized by the American adult population as being among the top 10 universities in the nation and the leading university in the Commonwealth by a margin of four to one over the closest competitor.

Part of this positioning effort was based on the development and implementation of a new institutional identity program he championed and that Penn State introduced in 1987. The "Penn State mark" and the visual systems designed to support it gained national attention as one of the best identity programs developed in higher education.

Dr. Gearhart recently completed a book, *The Capital Campaign in Higher Education: A Practical Guide for College and University Advancement*, published by the National Association of College and University Business Officers.

In 1992, he was named a Fulbright Scholar to Oxford University (Merton College), and provided a post-campaign plan to the college for implementation after the Oxford University campaign.

He also teaches in Penn State's higher education graduate program as an affiliate assistant professor of education. Dr. Gearhart has a bachelor's degree from Westminster College in Fulton, Mo., which he named him as a Distinguished Alumnus in 1992. His law degree and his doctor of education degree are from the University of Arkansas.

He serves on the boards of directors of Uni-Trams Inc. and The Second Mile. He and his family will continue to reside in State College.

## New dairy complex is state-of-the-art research facility for College of Ag Sciences

Ranked as the fourth leading dairy state in the nation just behind California, Wisconsin and New York, Pennsylvania is home to about 650,000 dairy cows. Looking to improve dairy production in the Commonwealth, the College of Agricultural Sciences today dedicated its new state-of-the-art Dairy Education and Research Center.

Located on the outskirts of the University Park Campus across from Beaver Stadium, the new facility can house about 200 head of milking cows. One of the most impressive features of this \$5.5 million facility is the technologically advanced milking parlor which allows for electronic identification of cows. The automatic identification system permits researchers to record data on individual cow's milk production. The milking system consists of 20 automatic milking units and milk meters. Milk is cooled within minutes and stored in a 4,000-gallon tank.

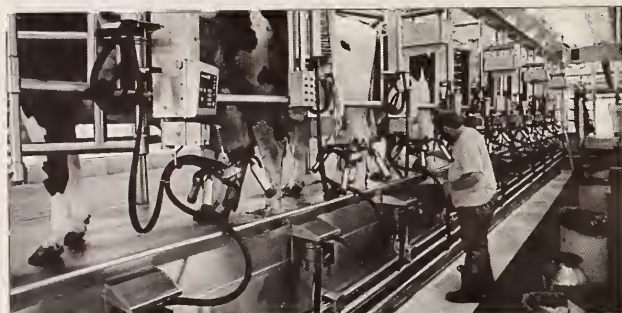
In the planning stages for more than a decade, the facility incorporates state-of-the-art equipment with larger stalls, larger storage capacity and an intensive research unit to study cattle nutrition, physiology and biotechnology.

- In addition, the center includes:
- A 60-cow tie-stall barn for feeding research studies;
  - feed center for storage and mixing of feed and five upright silos that increase storage capacity;
  - heifer barn for 160 replacement heifers; and
  - free-stall barn for housing 120 adult cows.

The construction of the new Dairy Education and Research Center was built with funds provided by the state and federal governments. The center is a major element of the College of Agricultural Sciences building program, which for the most part has been funded by the government in an attempt to address long-standing facilities deficiencies.



Part of the complex that makes up the new Dairy Education and Research Center.



The new high-tech milking parlor is up and running, capable of handling up to 20 dairy cows at one time.

Photos: Greg Grieco

## Obituaries

Lena L. Boone, janitor, Office of Physical Plant; from Feb. 1, 1954, until her retirement April 18, 1964; died March 25. She was 95.

Yoshio Fukuyama, former head of the Department of Religious Studies, died April 3. He was 73.

He was a graduate of Los Angeles City College and Doane College, Crete, Neb. After spending two years as a missionary in Turkey after World War II, he received a bachelor of divinity degree, and a doctorate in ethics and society at the University of Chicago.

Dr. Fukuyama served as secretary of the Board for Homeland Missions of the United Church of Christ (Congregational) from 1954 to 1967, professor of religious studies from 1967 to 1981 and head of the Department of Religious Studies from 1975 to 1981 at Penn State, and academic dean of the Chicago Theological Seminary from 1981 to 1986.

He was the author of *The Fragmented Layman: An Empirical Study of Lay Attitudes* (with Thomas Campbell) and *The Ministry in Transition: A Case Study in Theological Education*. He retired in 1986.

Naomi E. Sheranko, secretary, The Hershey Medical Center; from Feb. 20, 1973, until her retirement March 1, 1986; died March 27 at the age of 73.

Albert K. Henry, cheesemaker-processor, College of Agricultural Sciences; from June 1, 1947, until his retirement Jan. 1, 1985; died Feb. 23 at the age of 71.

James A. Lauck, research machinist, College of Engineering; from April 1, 1953, until his retirement Sept. 1, 1981; died March 8. He was 73.

## EMPLOYEE BENEFITS

A regular column provided by  
the Office of Human Resources

### HealthAmerica provides answers

Following are frequently asked questions and answers about HealthAmerica's HMO:

What types of service require a referral from my primary care physician (PCP)?

You need a referral for any covered service not performed in the PCP's office, except for yearly gynecological exams, mammograms and removal of impacted wisdom teeth.

Do I need a referral from my PCP for my routine gynecological exam?

For your yearly routine gynecological exam, you have two options: 1) Your PCP can provide this preventive service, which is covered at 100 percent; or 2) You can use your "GYN Voucher," which entitles you to a yearly routine gynecological exam with a participating HealthAmerica gynecologist of your choice. Simply call HealthAmerica's member services with the date, time and name of the chosen participating physician and the services will be authorized and covered at 100 percent up to \$100. See your "Routine Annual Gynecological Examination Rider" for more detailed information.

Do I need a referral from my PCP for a mammogram?

National health guidelines recommend that women have a mammogram every one to two years between ages 40 and 50, and annually after age 50. These mammograms are covered in full, as are more frequent screenings if recommended by your PCP. Mammograms for women ages 40 and over can be self-referred to HealthAmerica participating providers. Women under age 40 are required to consult with their PCP for recommendation and referrals.

What procedure do I need to have wisdom teeth (third molars) removed?

You have coverage for this service under the "Oral Surgery Rider," which provides coverage for the removal of symptomatic, impacted third molars when partially or completely covered by bone. In order to obtain approval for this service, simply call HealthAmerica's member services department, which will send you the pre-authorization form that must be completed by a HealthAmerica participating oral surgeon. The oral surgeon will send the pre-authorization form back to HealthAmerica's dental consultant, who will approve or deny the services. You will be notified in writing of the approval status.

Who can I call if I have a benefit or a claim question?

HealthAmerica's member services department serves you Monday-Friday, 8 a.m. - 5:30 p.m. Phone numbers are 800-366-6433 or 814-231-8970.



## News in Brief

### Weight Watchers Summer Series

A 10-week summer series of the Weight Watchers AT WORK, which began Wednesday, June 7, meets from noon to 1 p.m. each Wednesday through Aug. 9 in the Paul Robeson Cultural Center.

Learn how to develop and maintain healthful eating and exercise habits in an informal, supportive setting. Cost is \$110 (Lifetime members \$100); a split payment plan is available and new members are welcome at any time during the series.

For more information, call the faculty/staff health promotion division at 865-3085.

### June blood drives

The American Red Cross-Centre Communities Chapter, with the cooperation of Penn State groups, will be host for two blood drives on the University Park Campus.

On Friday, June 23, the College of Earth and Mineral Science will hold a blood drive in 205-206 Walker Building, from 10 a.m.-4 p.m. For an appointment call Lori at 3-7091. On Thursday, June 29, the Office of the Physical Plant will host a blood drive from 9 a.m.-3 p.m. For an appointment call Linda at 3-2340.

For more information on blood donations, call the American Red Cross at 1-800-54-BLOOD.

### PSEOP meeting

Penn State Educational Office Professionals will hold a special topic meeting: "Independent Learning and State College Continuing Education," on Friday, June 16, from noon to 1 p.m. in Room 101 Kern Graduate Building. The speakers will be Tammy Crissman and Kay Partenheimer. Contact Sherry Walk at 865-7681 for more information.

Penn State Educational Office Professionals is a professional organization whose membership consists of faculty, staff, student exempt and technical services.

For membership information, contact membership coordinator Jenny King (XK3, 863-4030).

### Video conference

The CQJ Center and Continuing and Distance Education are sponsoring a live, interactive video conference, "Breakthrough Results with Benchmarking," at Penn State Schanton on June 27, from 1-3 p.m.

The conference, open to all University employees, features Robert C. Camp, world-renowned "father of benchmarking," Carla O'Dell, original director of the International Benchmarking Clearinghouse, as well as senior executives from The Ritz-Carlton Hotel, Pacific Bell and Texas Instruments. During the two-hour event participants will learn the various approaches to benchmarking, present and future trends, breakthrough results achieved by companies in different industries and what "out-of-the-box" benchmarking means. The program includes interactive exercises and the opportunity to ask the presenters and panelists questions. The cost to Penn State faculty and staff is \$20. To register for the video conference, call Sue DeArmitt at 863-0229.

### Gerontology hotline

The Penn State Gerontology Center is offering a new service to the community: a telephone "hotline" for information and referral on University, local and national aging resources. The telephone number is (814) 863-4517. The service, available Monday through Friday during normal working hours, is manned by senior citizens available to answer questions and make referrals.

The service is offered as part of the ongoing activities of the center's Outreach Program. In addition to the information "hotline," the Outreach Program is developing a "Senior Citizen's Interest Guide to Campus Life." The directory, which will list a variety of educational and recreational services, health services, etc., available through the University to community seniors, is available. For information on how to obtain a copy, call 863-4517.

### AIDS Memorial Quilt returning in September

Centre CARES (Community AIDS Resource Enhancement Services) has received preliminary approval to again be host for a portion of The NAMES Project AIDS Memorial Quilt. Sections of the quilt are scheduled to be displayed on the University Park Campus on Sept. 22, 23 and 24.

During the quilt's first visit to campus in 1993, more than 10,000 people passed through the doors of Recreation Building to experience the powerful tribute to the people who lived, who were loved and

who died of AIDS. By weekend's end, a total of \$10,000 was raised for the fight against the disease, which continues to escalate in epic proportions. By 1996, the quilt will be double the size it was in 1992—containing approximately 45,000 panels covering a space the size of 29 football fields.

To find out how you can become involved in the return of the quilt, phone event co-chairperson Judi Albin at (814) 865-5375.

### Quilters needed

As part of the activities surrounding the return of the AIDS Memorial Quilt to the University Park Campus, Centre CARES will be holding panel-making bees on the following Sundays: June 18, and July 2, 16 and 30, at 1 p.m. in the basement of the Red Cross offices at 121 1/2 East Beaver Ave.

Anyone interested in making a panel to honor the memory of a loved one who died of AIDS, or anyone interested in helping others make a panel, is welcome. No sewing experience is necessary.

### Parking alert

Phase I of the Foundry Park construction has begun, which means that if you normally park in the Brown A lot behind Hammond Building on the University Park Campus, you will have to find another place to park for the next 30 days.

The first phase of construction involves selected demolition, realignment of existing parking, resurfacing the entire lot, adjusting storm drainage and adding lighting and concrete curbing. This realignment will enable the University to replace parking spaces lost when the addition to Reber Building was added.

While work is being done on the lot, there will be limited temporary parking in the stone area, Red A and Brown A behind Deike Building. In addition, the parking office has opened Nittany Deck to holders of Brown A permits.

The second phase of the project will begin after the parking lot has been returned to service and will include sidewalks, additional curbing, area lighting, top soil, grading and seeding necessary for the completion of the park.



**Microcomputer  
Order Center**

### End of fiscal year ordering

All equipment and software ordered from the Microcomputer Order Center (MOC) must be delivered to the department by June 30 — no exceptions. This delivery date is necessary to ensure that all accounts are accurately charged on their respective 94/95 budget. According to federal law, the MOC cannot charge any budgets for equipment or software prior to the actual delivery date.

Departments should send IBIS GREQ forms to the MOC as soon as possible. This does not guarantee delivery by June 30 due to variances in vendor availability.

If your department wishes to carry items from a 94/95 GREQ order over to the 95/96 budget, please indicate "Y" on the GREQ form. These items will be delivered as they arrive. No 95/96 GREQ orders will be accepted until Monday, July 3.

### End of fiscal year availability

To make ordering easier and ensure charges are made on the 94/95 budget, the MOC has compiled an availability list of computer equipment. These items are currently in stock at the MOC, ready for delivery. The list is updated regularly during the week until the end of the fiscal year.

The MOC CPU AVAILABILITY list can be found online at these locations: FSUVM Netnews, under psu.moc; GOPHER, under "Computing;" World Wide Web, under the Penn State home page at <http://www.moc.cac.psu.edu>.

### The Back-to-School sale

Watch for the Microcomputer Order Center's Back-to-School sale flier coming out in mid-June.

This Back-to-School promotion will be offered through Monday, July 31, for guaranteed delivery on Sunday, Aug. 20.

Come to the Microcomputer Order Center, 12 Willard Building, or call 865-2100 or (800) 251-9281.

# Council names four honorary alumni

The Alumni Council of the Penn State Alumni Association has named four outstanding contributors to the University—Joab and Marly D. Thomas, Kenneth L. Pollock and Peter B. Weiler—as Honorary Alumni.

Joab and Marly Thomas came to Penn State in 1990 when Dr. Thomas was appointed the 15th president of the University. A biology graduate of Harvard University, he taught at Harvard and the University of Alabama and then served as chancellor at North Carolina State University and president of the University of Alabama before joining Penn State.

Joab and Marly D. Thomas were voted honorary alumni for the warmth, grace and hospitality that was their gift to all they met; for the energy, dedication and love they showed for their adopted home; and for the significant difference they made in Penn State.

Arriving in a time of tight budgets for higher education, Dr. Thomas established the Future Committee process that narrowed Penn State's

focus, while capitalizing on its greatest strengths. Among other priorities was re-emphasizing teaching while strengthening the University's research leadership. He also identified the need for classrooms, libraries, offices and research facilities as a challenge and moved quickly to put in place a five-year plan for new and improved facilities.

What followed was a comprehensive building program of more than 100 projects from new classroom and research buildings and scores of buildings substantially remodeled and upgraded at University Park to libraries, classroom buildings and student facilities at Penn State campuses across the state.

Kenneth L. Pollock was named for his "enthusiastic belief in young people, his abiding love for his native Pennsylvania, his support of educational and community endeavors and his example of hard work and generosity to others."

A successful entrepreneur in mining, utilities, oil and gas, real estate,

retail hotels and restaurants, Mr. Pollock is chairman of the board of Pennsylvania Enterprises Inc. and its major subsidiary, Pennsylvania Gas and Water Company (PG&W). He is also director and sole stockholder of Susquehanna Coal Company and Ken L. Pollock, Inc. of Nanticoke.

He and his wife, Marion, have been long-time supporters of the Penn State Wilkes-Barre Campus through a scholarship for disadvantaged students and their support of a number of athletic programs. Mr. Pollock serves on the National Development Council and the Campaign for the Library Committee, which raised \$14 million for an addition to Pattee Library, including his personal gift of \$500,000.

Peter B. Weiler was made an honorary alumnus for "his energy, enthusiasm and caring in serving alumni and the University; and for his vision, motivation, and direction in leading the Penn State Alumni Association to national prominence."

As assistant vice president and executive director of the Alumni Association, he is the chief executive officer of the largest dues-paying alumni association in the country, which has more than 130,000 members. With 2,500 volunteers, 150 chapters, 27 college and campus constituent societies, the association's programs also include a parents' program, publications, administrative and information services and marketing and promotion programs.

Mr. Weiler is also treasurer of the national Council of Alumni Association Executives and he has made many presentations for Council for the Advancement and Support of Higher Education conferences. Before coming to Penn State six years ago, he was director of alumni relations at his alma mater, the University of Vermont, and a major gifts officer in their development office. He also was associate and assistant dean of students and assistant director of orientation programs at the University of California at Los Angeles.

## ARL celebrates 50th birthday

The Applied Research Laboratory on the University Park Campus has just turned 50. In the past five decades the Navy-sponsored facility has grown dramatically, increasing its research funding from \$100,000 in 1945 to an estimated \$65 million this year.

To celebrate its golden anniversary, ARL held a symposium featuring speakers from the Navy, Congress, academia and the corporate world.

Founded by Eric A. Walker, Penn State's 12th president who died in February, the ARL serves as a center of research and development in undersea science and technology and provides technology transfer of its expertise to not only the Navy and defense industries, but also to other business arenas. A leader in research areas such as acoustics, guidance and control of undersea weapons, signal processing and fluid dynamics, the ARL concentrates on helping to solve real-world problems.

For example, recent ARL technology transfer projects have ranged from a new data fusion system designed to improve the care of premature infants who have respiratory distress syndrome to the development of laser-welding facilities to strengthen the U.S. shipbuilding and construction industry.

What began with 100 people has now blossomed into a workforce of 900 employees led by Director L. R. Hettich. As a University laboratory, ARL is continually involved in educational activities through the teaching efforts of its staff and by sponsoring and supervising both graduate and undergraduate student thesis and dissertation research.



Jay Tressler, an engineering aide in ARL, works in the laserrobotics area of the High Energy Processing Department demonstrating some of the real-world solutions ARL has discovered.

Photo: Greg Grieco

## Promotions

### Staff

Rachel S. Kurtz, coordinator, Accounts Payable, at The Hershey Medical Center.

John C. Lower, manager, Housing and Food Services II, in Housing and Food Services.

Roger G. Maclean, program coordinator IV in College of the Liberal Arts. Tracy R. Noll, ticket manager in University Arts Service.

George H. Otto, research programmer in Computer and Information Systems, Center for Academic Computing.

Thomas J. Penkala, manager, Food Services I, in Housing and Food Services.

Pamela T. Peterson, staff assistant VII in University Libraries.

Linda K. Poss, data research analyst at The Hershey Medical Center.

Marla R. Ray, associate director, Planned Giving, in Division of Development and University Relations.

Cristine E. Ritchey, staff assistant VII in Office of The President.

Diane R. Roan, administrative assistant III in College of the Liberal Arts.

Laurie M. Salopek, systems programmer in Computer and Information Systems, Center for Academic Computing.

Richard K. Shaffer, academic support programs coordinator at Penn State Altoona Campus.

Patricia L. Shaw, staff assistant VI in Housing and Food Services.

Melba E. Smith, staff assistant VI at The Hershey Medical Center.

Rachel E. Smith, financial officer IV in Corporate Controller's Office.

Jodie W. Stabinski, assistant nursing manager at The Hershey Medical Center.



## Faculty/Staff Alerts

### Holiday Hours

The Penn State Information and Directory Assistance Office has announced holiday hours for the July 4 holiday and Sept. 4, Labor Day, are 8:30 a.m. to 4:30 p.m. Normal hours of 7:30 a.m. to 11 p.m. will resume Tuesday, July 5, and Tuesday, Sept. 5.

### Trek International

Travel Services, through an agreement with Trek International, is making Trek International memberships available to all faculty and staff.

The 12-month membership, regularly selling for \$59.95, is being offered to University employees for an annual fee of \$29.95. You will receive a full-color directory that lists all participating hotels and resorts, as well as a personalized membership card.

Your membership entitles you to a 50-percent discount at nearly 3,000 participating hotels and resorts worldwide, plus other amenities. Trek International offers an unconditional money back guarantee. The membership is not a reimbursable University expense, but is made available to offer travelers additional savings on their personal and business travel.

For more information, or to order your membership, contact Trek International at 1-800-556-8735 or 1-412-761-7111. You can also write to: Trek International, c/o PSU Travel Services, 3333 California Ave., Pittsburgh PA 15212.

### Berks to offer new program

Cross training has come to the Penn State Berks Campus with the offering of a new baccalaureate degree in electrical/mechanical engineering technology.

The new degree combines components of the electrical engineering technology and the mechanical engineering technology programs. The move is being made to keep up with

the demand from industry for people with these combined skills.

Courses will be offered in the evening beginning this fall and are designed for people with associate degrees who are employed. The EMET degree will take four to five years to complete on a part-time basis.

The Berks and Altoona Campuses are the only Penn State locations to offer the combined degree.

### Fayette to offer nursing

Penn State Fayette Campus has been authorized to begin offering a baccalaureate program in nursing this fall.

The RN/BS program will be identical to that offered at University Park and is specially tailored for working nurses who wish to pursue the degree through part-time study. Course work will be available evenings and through the Fayette Campus' new Weekend College.

The 131-credit nursing curriculum is fully accredited by the National League for Nursing.

### Penn State works to reduce waste

University employees from the Office of Physical Plant and Housing and Food Services recently conducted a waste stream analysis to analyze what was being thrown away at the University. They found that in addition to helping the environment, recycling can save the University money.

Workers sorted through refuse collected in one day from roughly 10 percent of University facilities, and found that 32 percent was recyclable in Penn State's program. Had that 175 tons of material been recycled instead of thrown away, the University could have saved \$87 in disposal costs.

The cost considerations are magnified when refuse from the other 90 percent of the University's facilities

are taken into account.

As a result of the analysis, the Office of Physical Plant is asking the University community to recycle whenever possible.

### Harrisburg tour

Penn State Educational Office Professionals is hosting a tour of the Penn State Harrisburg Campus Friday, June 23. The day will start with breakfast at 7:30 a.m., followed by the trip to the campus. While in Harrisburg, PSEO will tour the campus, downtown center, and Eastgate Building, returning to State College at 5 p.m. The trip costs \$7 plus transportation per person. Registration deadline is June 20. For more information contact Anne Cavanaugh at 865-6393, or e-mail to amc1@psu.edu.

### USGS maps available

The University Libraries recently made available on their spatial data server more than 800 United States Geologic Survey (USGS) Digital Elevation Models (DEM) of Pennsylvania. The DEM data consist of a matrix of terrain elevations at a 30-meter spacing and has application in a wide variety of environmental investigations. The same data sets are on sale by the USGS, but can be obtained free of charge through the University Libraries by using the file transfer program ftp over the Internet.

The DEM file names conform to the names of the USGS 7.5-minute topographic line maps. An index of the 7.5-minute maps is available from the USGS or the University Libraries. The files are compressed using the gzip utility.

For specifics on downloading the maps or for more information, contact Todd Bacastow, University Libraries, at (814) 865-0141 or bacastow@gis.psu.edu, or Melissa Lamont, at (814) 865-0139 or mlm@psu.edu.

kitchens, an auxiliary gym, locker rooms, press room and weight-training room are also under construction.

Still five months from completion, the Jordan Center is already creating interest among entertainment and conference promoters. Bob Howard, general manager of the Jordan Center, said preliminary talks for planning events are under way, although the first event won't be held until January 1996.

On a recent media tour of the structure, Mr. Howard explained that from November to January, the Jordan Center and its 15 full-time staff members would be in the "shakedown period" a time when electrical, mechanical, emergency and other systems in the center would be tested.

Although the general manager doesn't know what the Jordan Center

ter's inaugural event will be, the first Big Ten men's basketball game to be played in the arena on one of the largest portable basketball floors in the country is scheduled for Jan. 7. Potential draws include not only sporting events, but commencement, lectures, trade shows, ice shows, concerts and circuses.

The Jordan Center will draw patrons from all over central Pennsylvania, including Blair, Bedford, Cambria, Centre, Clinton, Huntingdon and Mifflin counties.

"This is really a regional facility that is going to boost per capita spending in the area," Mr. Howard said. "The Jordan Center is going to have a positive impact on the quality of life in this region."

—Lisa M. Rosellini

## Conference on eating disorders set for June 16, 17

As eating disorders continue to plague universities nationwide, a host of leading professionals in the health, counseling and nutrition fields will converge on the University Park Campus for a conference examining the challenges of campus prevention and treatment.

"Eating Disorders on Campus: The Institutional Response," will be held June 16 and 17 at The Penn State Scenicton, and includes a prerecorded welcome and interview with U.S. Rep. Patricia Scott Schroeder and a keynote speech by Dr. Richard P. Keeling, director of University Health Services and professor of medicine at the University of Wisconsin-Madison.

Representatives from a variety of institutions will share their eating disorder prevention programs. A panel of students will also examine the campus eating disorders programs that serve them.

Claudia K. Probst, assistant professor of nutrition in the College of Health and Human Development at Penn State and a registered dietitian, will examine the latest research on the incidence and nature of eating disorders in her presentation "Eating Disorders on Campus: The Scope of the Problem."

For more information about the conference, contact Health Care Program Development at (814) 865-0287. To register, contact Suzanne M. Pierre, conference planner, at (814) 863-5140.

## Engineering alumni named outstanding

In addition to the 10 individuals listed in the May 25 issue of *Intercom*, four more alumni from the College of Engineering have received the Outstanding Engineering Alumni Award. They are:

George W. Johnstone, president and chief executive officer of American Water Works Company, Inc.

Carol C. Knauff, vice president, consumer markets, for AT&T.

Anthony F. Lisanti, president and chief executive officer for Chester Environmental, Inc.

Andrew H. Logan, vice president/general manager, commercial programs for McDonnell Douglas Helicopter Systems.

### CARPPOOLERS

Vanpool needs riders from Houtzdale/Phillipsburg to University Park. Work hours are 8 a.m.-5 p.m., Monday through Friday. Call 865-1495 and leave name and phone number. Or call 378-5391 after 6 p.m. or on weekends.

Looking for a carpooler from Altoona, Hollidaysburg or Tyrone to University Park. Work hours are 8 a.m.-5 p.m. Contact Judie at 863-3650 (work) or 632-8462 (home).

Looking to carpool from Phillipsburg to University Park. Work hours are 8 a.m.-5 p.m., Monday through Friday. Call Bernadine at 863-1033.

## Jordan Center

continued from page 1

Right now, about 25 rows of staggered, stacked concrete steps that will soon sport plastic mulched back seats define the seating area encompassing the oval-shaped floor of the arena. About 7,100 patrons can be seated in the upper deck, while 5,200 will take their spots in the mid-section. About 3,400 additional seats can be placed on the floor area, depending on the event.

A sweeping concourse ranging from 20 feet wide up to 32 feet wide envelops the building and will offer a dramatic view of the heavens through skylights. On the mezzanine level, 120 offices will house coaches and the staff of the Department of Intercollegiate Athletics. In addition, six meeting rooms, two

## Scientists share their discoveries during weekly summer seminars

If you ever wondered what is going on in science laboratories at Penn State, be sure to attend this summer's Thursday afternoon Summer Seminars, featuring University scientists.

Penn State faculty members and graduate students will share information about their recent research projects in a stimulating, yet casual, environment.

"The programs have been very well attended in the past, and we expect these topics to also draw a lot of people," Helen Warren, associate director of Summer Sessions, said. "The seminars are designed for a general audience with an interest in science, and we welcome the community as well as University scientists and students to participate."

The Thursday Science Seminars will be held at The Nittany Lion Inn, Penn State Room. Pre-seminar receptions will be at 3:30 p.m., with talks beginning at 4 p.m.

Ola Sodiende, associate professor

### ■ WHAT: Summer Sessions Science Seminars

### ■ WHEN: 3:30 p.m.

today, June 22 and 29, and July 6, 20 and 27

### ■ WHERE: The Nittany Lion Inn on the University Park Campus

of biochemistry and molecular biology, kicks off the series today with "Light, Genes, Action: Biogenesis of a Multi-subunit Photosynthetic Complex."

On June 22, Donald Schneider, associate professor of astronomy and astrophysics, will discuss "Quasars and the Discovery of the Violent Universe."

"New Statistical Methods for Outliers and Missing Data" is the topic of the June 29 seminar, given by Joseph

Schafer, assistant professor of statistics.

Esther Siegfried, assistant professor of biology, will discuss "Cell Signaling and Pattern Formation in *Drosophila*," on July 6.

On July 20, Curt Cutler, assistant professor of physics, will discuss "Detecting Gravitational Waves."

The final Thursday afternoon seminar will be "Theoretical, Numerical, and Experimental Investigation of Water Waves," given July 27 by Min Chen, assistant professor of mathematics.

In addition, a "Seminar in Theory and Culture: Working with Bakhtin Today" will be held Tuesday through Saturday, July 25-29. This five-day seminar on contemporary thinking is based on works by Bakhtin, one of this century's most influential voices in the humanities, literary criticism, composition studies, women's studies and cultural studies. For more information on the Bakhtin seminar, call Don Bialostosky at (814) 863-3069.

## Experts offer workshop on multilevel modeling

The Third Annual Population Research Institute Methodology Workshop brings nationally recognized experts on multilevel modeling to the University Park Campus on July 19.

The one-day workshop, sponsored by the Population Research Institute and the Center on Aging and Health in Rural America, and organized by PRI graduate students, is free to faculty and students.

Workshop sessions feature Karin L. Brewster, assistant professor of sociology at Florida State University; Greg J. Duncan, a faculty member at the School of Education and Social Policy at Northwestern University; and Susan Murphy, assis-

tant professor of statistics at Penn State.

Dr. Brewster's presentation will focus on the conceptual and demographic issues pertaining to multilevel modeling. Her research examines contextual and individual level factors in adolescent sexual behavior and outcomes.

Dr. Duncan's talk is titled "Estimating Contextual Effects in National Survey Data." An economist by training, he was the principal investigator of the Panel Study of Income Dynamics project for 13 years.

Dr. Murphy's session is titled "Understanding Nonlinear Multilevel Models." Her research interests are semi-parametric models, event

history/longitude analysis, and inference for stochastic processes.

Preregistration for the workshop by July 10 is strongly encouraged. The first 60 registrants are guaranteed a workshop reading packet. Final registration starts at 8:30 a.m. at the workshop.

Sessions, which run from 9 a.m. to 4 p.m., will be held in Room 101, Kern Building. An informal dinner for the participants follows the final session.

To preregister or for additional information, faculty and students should contact Melonie Heron at (814) 863-9571, or through e-mail at workshop@pop.psu.edu.

## Symposium to focus on immigrant families

A national symposium designed to examine international migration and family change is scheduled for Nov. 2-3 at The Nittany Lion Inn on the University Park Campus.

The symposium is organized particularly for those who teach and do research on immigrant families, graduate students who have a major interest in the area, and policy and program specialists. Organizers are Alan Booth, professor of sociology; Ann Crouter, professor of human development; Judith Dunn, Evan

Pugh Professor of human development, and Nancy Landale, professor of sociology.

The session will focus on four key issues: Who migrates and how does it affect family outcomes? How does the migration experience affect child and adolescent development? How does family structure and process change across succeeding generations? What policies enhance or impede immigrant family links to U.S. institutions?

The symposium is sponsored by

Penn State's Population Research Institute, Center for the Study of Child and Adolescent Development, Human Development and Family Studies, the departments of sociology and psychology, the Intercollege Research Program and College of the Liberal Arts.

To obtain a brochure and registration materials, call or write Chuck Herd, 409 Keller Conference Center, Penn State, University Park, PA 16802-1304. Phone (814) 863-1744 or FAX (814) 863-3749.

## Anthropology films examine several topics

If you missed the "Out of the Past" anthropology series on The Learning Channel, here's your chance to catch it. The Matson Museum of Anthropology will feature a movie at noon on each Friday during the Summer Session in 219 Carpenter Building in the museum on the University Park Campus.

■ The Summer Anthropology Film Series presentation on June 16 is "Out of the Past: The Hearth," which provides a glimpse into what family life must have been like in traditional cultures, past and present.

■ "Out of the Past: Artisans and Trade," shown June 23, investigates the evolution of economic behaviors such as division of labor and job specialization, and how these behaviors are linked to other cultural behaviors.

■ On June 30, "Out of the Past: Signs and Symbols" explores the nature of signs and symbols, and how archaeologists reconstruct their meaning using modern and ancient examples.

■ "Out of the Past: Power, Prestige and Wealth" asks how and why, in many cultures, some people control power, prestige, and wealth more than others. This film will be shown July 7.

■ On July 14, archaeologists investigate the internal structure of ancient societies and their external relationships to other groups in "Out of the Past: Realms."

■ In "Out of the Past: The Spirit World," to be shown July 21, archaeologists try to reconstruct the spiritual world of ancient societies by making comparisons to ritual behavior and sacred places and objects in modern societies.

■ The last film of the series, "Out of the Past: Collapse," will be shown on July 28. This film discusses the factors that underlie the decline and fall of ancient civilizations, and draws parallels to the problems of overpopulation and exploitation of resources present today.



# ARL employee pitches in to help La. flood victims

When most people take a large chunk of vacation time to travel, their main goal is to have fun. When Richard Wilkinson took three weeks off from his job as a buyer in the purchasing office at the Applied Research Laboratory (ARL), he had a very different objective.

Mr. Wilkinson joined Lynn Schlow, director of health and safety for the local Red Cross chapter, in New Orleans from May 16 to June 2 to provide disaster relief for flood victims.

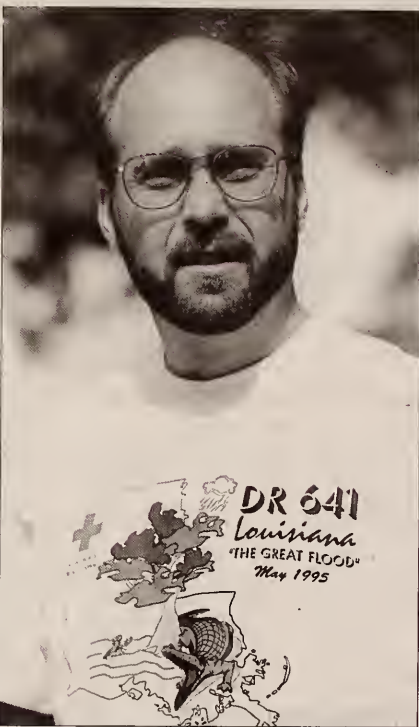
"Virginia Brown from the Red Cross called me and asked if I could go," said Mr. Wilkinson. "I checked with my boss and he said this would be a good time, so she submitted my papers and I was chosen."

Mr. Wilkinson credits his supervisor, Ken Roth, manager of purchasing for ARL, for making the trip possible.

"It's great that my employer let me go with just a few hours notice, because the Red Cross called me on Monday and I was out of town by Tuesday. It was nice my boss could give me the freedom to take that much time off on such short notice. He gave up a staff member for three weeks and my co-workers had to pick up the slack for the time that I was away."

While the disaster in New Orleans was considered a "clean flood" in which the damage wasn't readily apparent, more than 36,000 homes and close to 53,000 people were affected. Many of the 2,386 Red Cross disaster workers, including Mr. Wilkinson, worked at one of the 11 Red Cross service centers to provide emergency aid. Case workers had to do home inspections to verify damage before other types of aid including bedding and clothing could be distributed. Displaced families were set up in apartments.

Mr. Wilkinson was struck by the effects the natural disaster had on the poor residents in the region. "They lost the one pair of shoes they had, their food for the month," he said. "You and I could probably go out and buy something



Richard Wilkinson was able to help about 40 families get aid they needed during the three weeks he spent as a Red Cross volunteer in New Orleans. Mr. Wilkinson has been associated with the local Red Cross chapter since 1990, and has worked at the University for 14 years.

Photo: Greg Grieco

else, but they have limited funds and can't just go out and replace what they've lost as easily as some people can. They're the people the Red Cross helps most."

Mr. Wilkinson began working as a Red Cross volunteer in 1990 by organizing blood drives. Then, looking for a way to volunteer to do something out of the ordinary, he took disaster relief training about two years ago. He had been waiting to be called for disaster assistance since.

The Red Cross is taking donations to help victims of the New Orleans flood and other disasters. They are also seeking contributions to help local families in need.

For information on disaster relief training, call the Red Cross at 237-3162.

— Annemarie Mount

## United Way Campaign recognized nationally

The 1994 United Way Campaign at University Park, chaired by G. David Gearhart, senior vice president for development and University relations, has been recognized nationally and within the Big Ten.

The coordinated promotional campaign titled "With You"—which included posters, table tents, ads, Intercom insert, printed materials and a campus campaign video—received a Silver Award from CASE, the Council for Advancement and Support of Education. This aspect of the campaign was planned and coordinated by Cynthia B. Hall, director of University marketing, and members of the University relations staff.

In the Big Ten, Penn State ranked first in percent of increase for dollars raised in 1994 United Way campaigns with 18 percent. Next highest in this category was Purdue at 16 percent, with the other members of the Big Ten at 7 percent and lower.

In the categories of per capita giving and percent of participation, Penn State ranked in the middle of the Big Ten. When Penn State joined the conference in 1990, it ranked last.

The 1994 University Park United Way Campaign raised a total of \$387,341, the largest amount in University history. As the major employer in the county, Penn State raised one-third of the county total of \$1,149,516.

## University receives Newcombe grant

Penn State has once again received a grant from the Charlotte W. Newcombe Foundation of Princeton, N.J. The grant of \$26,000 will be used in the 1995-96 academic year to provide scholarships for students with disabilities.

The grant will be paid in two equal installments, one in July and one at the end of December. The University may use the funds for special expenses related to a student's disability, for off-campus internships and for partial tuition scholarships.

Penn State uses the Newcombe grant to award roughly 40 scholarships each year throughout the Penn State system, according to Brenda Hameister, director of the Office for Disability Services.

## EASY processes millionth form

In the fall of 1989, the University began taking steps to convert administrative process from paper to computer using the Electronic Approval System (EAS). One million forms later, the integration is nearly complete.

On May 17, Bambi Gates, who regularly uses EASY forms in her position as staff assistant in Agricultural Administration, submitted that millionth form to make a vehicle reservation.

"Forms get through the system much faster with EASY," said Mrs. Gates.

While other universities use EASY forms, none has achieved the level of use that Penn State has.

"The reason for that is our shared vision for how the University can and should be administered," said Ken Blythe, director of Management Services. "There is a ready acceptance among senior executives to automate business processes and recover possible. This top-level support is the key to having EASY so widely used at the University."

When the University began using EASY, Mr. Blythe said the goal was to include all administrative forms. Today, EASY forms serve all University administrative business processes, including personnel, payroll, purchasing, general sales requisitions, budget amendments, vehicle reservations and more.

The future looks bright for EASY, which will continue to replace paper processes as it becomes more fully integrated into the University.

# The Arts

AT PENN STATE

## Art Alley

The HUB's Art Alley will display the pottery of Ian Stainton, and the photography of Todd Franson through June 18.

Mr. Stainton lives in Pennsylvania as a working potter, but is a native of the British Isles where he practiced his art at the Llanarth Pottery in Wales for 11 years.

Mr. Stainton's pottery is being displayed in Gallery 2 and Adam & Art of Bellefonte. He will also exhibit in the 1995 Central Pennsylvania Festival of the Arts.

Mr. Franson's black and white photography work features drag queens, club kids and gym dandies.

The Art Alley is on the first floor of the HUB building on the University Park Campus and is open whenever the HUB is open.

## Kern Exhibits

The Kern Exhibition Area features the original exhibition of Clara Ines Quintero and Juan Carlos Londono, and the photography of The State College Photo Club through June 20.

Origami is a centuries-old art form where paper is folded into attractive and sometimes useful objects, ideally without the use of scissors or paste. The artists, who hail from Colombia, have practiced this art since 1990.

The State College Photo Club exhibition features the theme "Our State College" and includes fresh materials and eventful pictures of lifestyles, people in action, social services, children, students and landmarks.

The Kern Exhibition Area is on the first floor of the Kern Graduate Building on the University Park Campus.

## Pastels at Pattee

Heidi Marie Finley is exhibiting a collection of pastels titled "Tropical Hummingbirds: A Portfolio by Heidi Marie Finley" in Pattee Library's West Lobby Gallery through June 30.

Ms. Finley resides in Canton, Mich., where she raises chickens and creates her pastels. She earned a bachelor of arts degree in fine arts from Eastern Michigan University.

## Landscapes on display

Jim Salem's exhibition, "Pennsylvania, the Unspoiled Landscape," will be held in Pattee Library's East Corridor Gallery through July 10. The exhibition of 35 canvases was painted on location throughout the state to highlight the art of landscape painting in the 1900s.

Mr. Salem graduated from Penn

State in 1970 with a degree in fine arts, having spent a year abroad at Slade School of Art in London. He started his professional painting career traveling the arts festival circuit in the eastern United States and painting in New York City for two years.

His work has been published in American Artist and Florida Home and Garden magazines. His work can be found in numerous private and corporate collections in the United States and Europe.

## 'The Miraculous Journey of Nicholas'

The Penn State Thespians will perform "The Miraculous Journey of Nicholas" as a featured attraction of the Central Pennsylvania Festival of the Arts on Thursday, July 13, at noon and 3 p.m. in Schwab Auditorium on the University Park Campus.

"The Miraculous Journey of Nicholas" is a play that traces the life and legends of Saint Nicholas, fourth century bishop of Myra. The original hour-long family entertainment is written and directed by Penn State Thespians alumnus Jonathan Dunski.

Founded in 1897, The Penn State Thespians is the oldest continuing student organization on the University Park Campus. Each semester the Thespians perform one mainstage musical and one children's play. For fall, "Joseph and the Amazing Technicolor Dreamcoat" is the planned production.

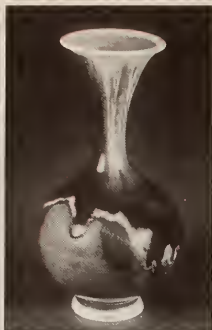
## 'Crafts National 29'

Contemporary crafts created by emerging and established artists from across the United States will be presented in "Crafts National 29" at the College of Arts and Architecture School of Visual Arts Zoller Gallery on the University Park Campus.

"Crafts National 29," held in conjunction with the Central Pennsylvania Festival of the Arts, will be on exhibit through July 23. This juried exhibition is drawn from entries that represent a wide range of activities in ceramics, fibers, glass, metals, wood, paper and mixed media.

James Gilroy and Gary Pelky, co-founders and co-directors of the Owen Patrick Gallery of Philadelphia, judged this year's exhibition.

Mr. Gilroy and Mr. Pelky selected 118 works from 97 artists for "Crafts National 29." More than 500 artists submitted more than 1,400 works for consideration. Regional artists whose works will be included in the exhibition are Carol Burns of Bloomsburg,



Pottery by Ian Stainton can be seen in the HUB's Art Alley on the University Park Campus through June 18.

Fred Johnston of State College; Marylou Pepe of Boalsburg; and Sharon Wall of Altoona.

"Crafts National 29" is sponsored by the Central Pennsylvania Festival of the Arts, Zoller Gallery, the School of Visual Arts and the Office of Summer Sessions. Admission is free.

## HUB Concert Series

Plan to be at the Hetzel Union Building Fishbowl at 8 p.m. to experience Dixie Power Trio on June 21, Flexible Flyer on July 5, and Sin City Band on July 19.

Dixie Power Trio, based in Washington, D.C., will play the Beatles, Led Zeppelin, Cindy Lauper and more in a Dixieland style that has to be experienced firsthand.

Flexible Flyer's acoustical music varies from Bluegrass to "Newgrass," and strays into a jazzy swing.

Sin City Band has been bringing its honky-tonk, toe-tapping, good feelin' outlook toward music to audiences since 1974. Enjoy danceable favorites by Hank Williams, Patsy Cline, Chuck Berry and Bonnie Raitt.

All concerts are open to the public.

## Women filmmakers series

Filmmakers Ayoka Chenzira, Jackie Frost and Margie Strosser will be present for the screening and discussion of some of their work at 7:30 p.m. June 25 to 27 at Carnegie Cinema on the University Park Campus.

Ms. Strosser, an independent producer, writer and media maker, will screen "Rape Stories" and "Strange Weather" on June 25.

Ms. Frost, who teaches film and video at Penn State, will screen "The Search" and "Against the Wind" on June 26.

Ms. Chenzira will close the series on June 27 with one of her most recent works, "Alma's Rainbow."

## Opera productions

Summer Sessions and the School of Music present "Three Nights at the Opera" from June 28 to July 26. Each of these three high-quality video pro-

ductions on video disc will be shown at 7:30 p.m. at the Music Building I Rectal Hall on the University Park Campus, and will be preceded by commentary by members of the music faculty. Refreshments will be served at intermission for each of these free concerts.

On June 28, enjoy W. A. Mozart's "Marriage of Figaro," with commentary by Suzanne Roy, associate professor of music.

Verdi's "Otello" is featured July 19. Bruce Trinkley, associate professor of music, will provide commentary.

The final opera in this trilogy of performances, R. Strauss' "Salome," will be shown on July 26, with commentary by Susan Boardman, associate professor of music.

## Summer diversions

Music, ice cream, dance aerobics and ice skating are on the calendar for fun this summer at University Park. Coupons for Diversions activities are in the Summer Session calendar, available in Spruce Cottage.

Enjoy Music at Noon at Fisher Plaza from noon to 1 p.m. each Tuesday and Thursday through July 27, except July 4, 11 and 13. Concerts feature a variety of music styles.

Ice cream cones from the University Creamery are 50 cents with coupon or \$1 without from 7 to 8 p.m. on June 16, 23 and 30, and July 7, 21, and 28.

If getting in shape is on your agenda, do it for free at the White Building Gymnasium from 8:30 to 10:30 p.m. on June 19 and 26, and July 10 and 26. Skate at the Penn State Ice Rink from 8 to 11 p.m. today, June 22 and 29, and July 6, for \$1 with coupon or \$2.25 without.

## 'Lila Muni'

Balinese music will be performed and demonstrated by the "Lila Muni" gamelan ensemble of the Eastman School of Music on Friday, June 30 at 3 p.m., at the HUB Fishbowl on the University Park Campus.

The ensemble under the direction of Eastman School ethnomusicologist Ellen Koskoff, consists largely of percussion instruments and performs traditional Balinese music used in religious temple ceremonies as well as music written especially for the ensemble. The event will feature a demonstration of the instruments, and some members of the audience will be invited to participate. Admission to the event is free. The group will also perform with the Percussion Woods Festival Orchestra in Gareth Farr's "Tabuh Pacific" for gamelan and orchestra on Saturday, July 1, at 8 p.m., in Eisenhower Auditorium.

## Berks Summer Theatre

Berks Summer Theatre will present "Some Enchanted Evening," a revue of Rodgers and Hammerstein's musicals, at 8 p.m. Thursday, Friday and Saturday, June 23, 24 and 25, and June 29, 30 and July 1 at the Penn State Berks Campus. The revue weaves some of the best theatre music into a scenario by director Ken Bolinski.

For reservations phone the box office at (610) 320-4850. All seats are \$12.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

Thursday, June 15

■ Music at Noon, Fisher Plaza. Bellanrya Trio (international folk). Pennsylvania Centre Stage, 8 p.m., Pavilion Theatre. "Greater Tuna." For tickets call 863-9255. Through July 1.  
Ice Skating "Divisions," 8 p.m., Penn State Ice Rink. \$1 w/coupon, \$2.25 without, includes skate rental.

Friday, June 16

Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: The Hearth."  
Ice Cream "Divisions," 7 p.m., Creamery Patio. Rich Victor Quintet (contemporary). Sunday, June 18

Father's Day

Monday, June 19

Aerobics "Divisions," 8:30 p.m., White Bldg. Gym. Admission free.

Tuesday, June 20

Music at Noon, Fisher Plaza. "Triple A Blues Band" (Blues, Country).

Wednesday, June 21

Summer classes begin — 6-week session. First Day of Summer.

HUB "Distinctive Styles" Concerts, 8 p.m., HUB Fishbowl. "Dixie Power Trio" (Dixieland Music, 21st Century Style). Admission free.

HUB Lawn Film, dusk. "Good Morning Vietnam." Admission free.

Thursday, June 22

■ Music at Noon, Fisher Plaza. "Island Caribbean Rhythms" (Calypso, Folk, Blues). Ice Skating "Divisions," 8 p.m., Penn State Ice Rink. \$1 w/coupon, \$2.25 w/o, includes skate rental.

Friday, June 23

■ Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Artists and Traders."

■ Film, 1 p.m., Palmer Lipson Aud. "Narrijin Maymuru: Narrijin at Djarrakpi." Also at 2 p.m., "Images of Man."

Ice Cream "Divisions," 7 p.m., Palmer Museum Plaza. "Little German Band" (Polkas, Waltzes).

Saturday, June 24

Music at Penn's Woods Orchestra Concert, 7:30 p.m., Eisenhower Aud. For tickets call 863-9255.

Sunday, June 25

Music at Penn's Woods Chamber Concert, 3 p.m., Eisenhower Aud.

Film Festival: Independent Women, 7:30 p.m., Carnegie Cinema. "Alma's Rainbow," "Rape Story," "Stormy Weather." Also June 26 and 27.

Monday, June 26

Aerobics "Divisions," 8:30 p.m., White Bldg. Gym. Admission free.

Tuesday, June 27

Music at Noon, Fisher Plaza. "Bruce and Jesse Young" (Folk Fiddle, Guitar).

Wednesday, June 28

"Night's At The Opera," 7:30 p.m., Music Bldg. Recital Hall. "The Marriage of Figaro." The Vienna Philharmonic performing a video, preceded by commentary from Suzanne Roy.

HUB Lawn Film, dusk. "1941." Admission free.

Pennsylvania Centre Stage, 8 p.m., The Playhouse. "Sweeney Todd." For tickets call 863-9255. Through July 15.

Thursday, June 29

Music at Noon, Fisher Plaza. "Arthur Goldstein Jazz Quartet" (Jazz). Ice Skating "Divisions," 8 p.m., Penn State



"Circus Babies From the Sky," by Sharon Wall of Albion, is on display at Zoller Gallery for Crafts National 29 through July 23.

Ice Rink. \$1 w/coupon, \$2.25 w/o, includes skate rental.

Friday, June 30

■ Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Signs and Symbols."

Ice Cream "Divisions," 7 p.m., Palmer Museum Plaza. "Bavarian Stompers" (Polkas, Waltzes).

Music at Penn's Woods Chamber Concert, 7:30 p.m., Eisenhower Aud. Admission free.

Saturday, July 1

Music at Penn's Woods Orchestra Concert, 7:30 p.m., Eisenhower Aud. For tickets call 863-9255.

Sunday, July 2

Music at Penn's Woods Chamber Concert, 3 p.m., Eisenhower Aud. Admission free.

Tuesday, July 4

Independence Day/Fireworks

Wednesday, July 5

HUB "Distinctive Styles" Concert, 8 p.m., HUB Fishbowl. "Flexible Flyer." Admission free.

Thursday, July 6

Music at Noon, Fisher Plaza. "Easterly Chamber Players" (Classical).

Ice Skating "Divisions," 8 p.m., Penn State Ice Rink. \$1 w/coupon, \$2.25 w/o, includes skate rental.

Friday, July 7

■ Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Power, Prestige, and Wealth."

Ice Cream "Divisions," 7 p.m., Creamery Patio. "Swinging Dixie" (Dixieland).

Music at Penn's Woods Chamber Concert, 7:30 p.m., Eisenhower Aud. Admission free.

Saturday, July 8

Music at Penn's Woods Orchestra Concert, 7:30 p.m., Eisenhower Aud. For ticket information call 863-9255.

Sunday, July 9

Music at Penn's Woods Chamber Concert, 3 p.m., Eisenhower Aud. Admission free.

## SEMINARS

Thursday, June 15

Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Ola Sodnie on "Light, Genes, Action: Biogenesis of a Multi-subunit Photosynthetic Complex."

Thursday, June 22

Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Donald Schneider on "Quasars and the Discovery of the Violent Universe."

Thursday, June 29

Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Esther Siegfried, speaker.

Thursday, July 6

Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Joseph Schaffer, speaker.

CONFERENCES

Thursday, June 15

Pennsylvania State Grange Leadership Academy, 200 attendees. Through June 16.

Friday, June 16

Eating Disorders on Campus: The Institutional Response, 70 attendees. The Penn State Scanlon. Through June 17.

Kicking and Punting Camp, 115 attendees. University Residence Halls. Through June 18.

Saturday, June 17

Career Management Opportunities, 40 attendees. The Penn State Scanlon.

Sunday, June 18

Ellis Field Hockey '95, 50 attendees. University Residence Halls. Through June 21.

Football Camp I, 600 attendees. University Residence Halls. Through June 22.

Lady Lion Basketball Camp I, 200 attendees. University Residence Halls. Through June 22.

Swimming Camp I, 35 attendees. University Residence Halls. Through June 22.

Tennis Camp I, 20 attendees. University Residence Halls. Through June 22.

Diving Camp I, 25 attendees. University Residence Halls. Through June 23.

Ethics in Science, Technology, and Medicine, 30 attendees. University Residence Halls. Through June 23.

USA Ice Hockey Camp, 80 attendees. University Residence Halls. Through June 23.

Summer Opportunity and Research in Space (SOARS), 25 attendees. University Residence Halls. Through July 30.

Monday, June 19

Better Kid Care Workshop, 20 attendees. The Nittany Lion Inn. Through June 20.

4-H Ambassadors, 75 attendees. location to be announced. Through June 21.

American Bearing Manufacturers, 30 attendees. The Penn State Scanlon. Through June 23.

Boys Basketball Day Camp, 115 attendees. University Residence Halls. Through June 23.

HEC-RAS, 24 attendees. The Penn State Scanlon. Through June 23.

Wednesday, June 21

NRA Junior Olympics Shooting Camp, 30 attendees. University Residence Halls. Through June 25.

Thursday, June 22

Community Health, 65 attendees. The Penn State Scanlon. Through June 23.

Friday, June 23

Pennsylvania State School Bus Road E-O, 120 attendees. Through June 24.

Northeast Regional Literature Conference, 375 attendees. University Residence Halls. Through June 25.

Saturday, June 24

Computer Monitoring/Control for Nuclear Reactors, 24 attendees. The Nittany Lion Inn. Bridges to the Future, 20 attendees. University Residence Halls. Through July 15.

Sunday, June 25

National School Board Association Teachers Conference, 60 attendees. The Penn State Scanlon. Through June 27.

Advanced Tennis Camp, 20 attendees. University Residence Halls. Through June 29.

Football Camp II, 600 attendees. University Residence Halls. Through June 29.

Girls Volleyball Camp I, 100 attendees. University Residence Halls. Through June 29.

Golf Camp II, 40 attendees. University Residence Halls. Through June 29.

Lady Lion Basketball Camp II, 35 attendees. University Residence Halls. Through June 29.

Swimming Camp II, 35 attendees. University Residence Halls. Through June 29.

Diving Camp II, 35 attendees. University Residence Halls. Through June 30.

Engineering Education, 20 attendees. University Residence Halls. Through June 30.

Elderhostel '95: The Sounds of Music, 50 attendees. University Residence Halls. Through July 1.

Food and Ag Sciences Summer Workshop, 45 attendees. Through July 1.

Penn State High School Jazz Camp, 25 attendees. University Residence Halls. Through July 1.

Figure Skating Camps I and II, 35 attendees. University Residence Halls. Through July 7.

Graduate Minority Health Careers Institute, 50 attendees. University Residence Halls. Through July 28.

■ Reflects an international perspective

See "Calendar" on page 18

## Awards

### Chemistry professor wins national award

Xumu Zhang, assistant professor of chemistry, is one of 10 chemical scientists nationwide to receive the Camille and Henry Dreyfus New Faculty Award.

Established by the Camille and Henry Dreyfus Foundation in 1979, the award carries a \$25,000 unrestricted grant designed to provide research support for new faculty members at the start of their research and teaching careers.

Dr. Zhang, who joined the University faculty in 1994, intends to use this award to further his research in transition-metal catalysts for asymmetric synthesis in organic chemistry. He said the award will support research in his lab that is "highly interdisciplinary, involving biometeorology, organic stereochemistry, organometallic chemistry, and inorganic transition-metal chemistry."

### Multicultural Resource Center honors several

The Multicultural Resource Center honored faculty/staff, senior students of color, and a student organization at its fourth annual awards reception.

Faculty/staff awards, presented to those who have consistently promoted multiculturalism and demonstrated concern for and sensitivity to the needs of students of color, were given to Andrew Jackson, instructor in education, recruitment, certification, and education services, College of Education; Huey Jones, adviser, Division of Undergraduate Studies; and David Shapiro, associate professor, Department of Economics.

Senior awards went to: Eugene Spells and Leslie Ramos, Volunteer Service Award; Carina Defferrine, Leadership Award; Vijay Rai Aravaha, Academic Scholarship Award; Eric Jackson, Academic Achievement Award.

The Student Organization Award was presented to Minorities in Agriculture and Natural Resources Association (MANRA).

### Professor wins award for construction research

Jack H. Willenbrock, Bernard Hankin Professor of residential building construction, has been selected to receive the 1995 Peurifoy Construction Research Award by the Construction Research Council of the American Society of Civil Engineers.

Dr. Willenbrock, also director of the NABH/NRC Designated Housing Research Center, is recognized for "outstanding contributions to the advancement of construction engineering, through research and development of new technology."

## Four engineering faculty members awarded for research excellence

Four College of Engineering faculty members have received research excellence awards from the Penn State Engineering Society.

C. C. Khoo, professor of electrical engineering, received the PSES Premier Research Award. He is known for his pioneering work in liquid crystals, a key material in current optical communication, information and image processing technology, and in nonlinear optical phenomena and applications.

Founder and director of the Nonlinear Optics and Liquid Crystal Research Laboratory, Dr. Khoo has received the Penn State Research Foundation Invention Incentive Award and a Penn State Faculty Scholar Medal.

Receiving PSES Outstanding Research Awards are:

Randall M. German, holder of the Brush Chair professor in materials, was recognized for research focusing on processing particulate materials into engineered structures. Founder and director of the P/M Lab, Dr. German has



I.C. Khoo



Randall M. German



Mary Jane Irwin



Asok Ray

authored four books, co-edited 12 books and is co-holder of three patents.

Mary Jane Irwin, pro-

fessor of computer science and engineering, was recognized for research focusing on the design of new

algorithms and VLSI architectures for signal processing. She is co-developer of the arithmetic cube signal processor, a family of high-speed digital signal processors, and the micro-grained array processor, a family of general purpose high-performance architectures.

Asok Ray, professor of mechanical engineering, was recognized for research into the control and optimization of continuously dynamic systems and fault accommodating and robust control systems design. He is a pioneer in damage-mitigating control for structural integrity and high performance in complex mechanical systems.

The PSES Outstanding Research Awards recognize notable contributions to research and individuals who have achieved national and international recognition in their fields and who have been at Penn State for at least three years. The PSES Premier Research Award recognizes previous Outstanding Research awardees who have continued to excel in their fields.

## Arts and Architecture alumni honored

Five alumni have been selected for the 1995 Alumni Achievement Award presented by the Arts and Architecture Performing Arts Alumni Constituent Society.

The award honors alumni who have distinguished themselves in their professions.

This year's honorees are: landscape architect Thomas E. Clark; visual artist Joseph G. Havel; art historian Marilyn McCully; music educator Rudolf E. Radoocy; and architect Wesley Wei.

Mr. Clark, a national leader in the field of golf course architecture, is a partner in the firm of Ault, Clark and Associates, Ltd., Golf Course Architects of Kensington, Md.

A registered landscape architect and golf course architect, he has served as president of the American Society of Golf Course Architects. His firm has created hundreds of public and private courses throughout the United States and the world.

In Central Pennsylvania, Ault, Clark and Associates, Ltd., designed the Toftrees Golf Club course; retrofitted Penn State's Blue and White course, and added nine holes to the Centre Hills Country Club course.

Mr. Clark graduated from Penn State in 1971 with a bachelor of science degree in landscape architecture.

Mr. Havel earned his master of fine arts degree from Penn State in 1979. Since then he has established himself as an active player in the southwest art scene.

As associate director of the Glassell School of Art, Museum of Fine Arts in Houston, Texas, he heads its Core Program and is the exhibitions curator.

Before joining the Glassell School of Art, Mr. Havel chaired the Austin College Art Department in Sherman, Texas, and held the Craig Endowed Chair in art at Austin College. His work has been exhibited extensively throughout Texas and the southwest and in many private collections.

Dr. McCully holds both a bachelor of arts and master of arts degree in art history from Penn State. She is considered to be the leading scholar of Picasso's early work as well as a noted specialist in Catalan modernism.

Currently she is collaborating with John Richardson on a four-volume biography of Picasso. Volume one of the work, A Life of Picasso, has been published. An independent scholar, she lives in London, England.

Dr. Radoocy, a leading researcher in music education, is the editor of the Journal for Research in Music Education, the profession's premier research journal.

Dr. Radoocy is co-author of two of the major graduate textbooks in music education and enjoys a distinguished record of research, publication and teaching in music education and music therapy. He currently is a professor of art and music education and music therapy at the University of Kansas. He earned his doctor of education from Penn State in 1971.

Mr. Wei, AIA, is a principal of Wesley Wei Architects of Philadelphia, Pa., and an adjunct professor of architecture at the University of Pennsylvania.

He has taught at the Rhode Island School of Design, Penn State and Temple University. In 1993 he was named a Fellow of the American Academy in Rome, Italy. His firm has received 20 design and national competition awards.

He graduated from Penn State in 1976 with a bachelor of architecture with distinction.



## Awards

### Professor lauded for education impact

Patrick T. Terenzini, professor of higher education, senior scientist, and associate director of the Center for the Study of Higher Education, has received the Outstanding Contribution to Literature or Research Award from the National Association of Student Personnel Administrators.

The award is given to an individual whose research has had national impact on higher education and widespread practical application for the student affairs field.

Dr. Terenzini's seminal work, *How College Affects Students*, co-authored with Ernest Pascarella, professor of educational psychology at the University of Illinois, has served as a foundation for learning and student development theory, and as research and practice for student affairs administrators, researchers, faculty, other college administrators and graduate students.

### Visual Literacy text wins publication award

The text *Visual Literacy: A Spectrum of Visual Learning*, edited by Francis Dwyer, professor of education, and David Moore (Virginia Tech), received the 1995 James W. Brown Publication Award from the Educational Technology Foundation of the Association for Education and Communication Technology.

Published by Educational Technology Publications, the book provides the reader with an overview of the many dimensions associated with Visual Literacy. Authors representing more than 20 institutions contributed to the contents.

### Associate professor an outstanding mentor

Kevin Berland, associate professor of English and comparative literature at the Penn State Shenango Campus, received the Penn State Outstanding Adult Mentor Award.

This award, presented for the first time, recognizes the effort made by faculty and staff in support of adult learners. It is co-sponsored by the Alpha Sigma Lambda National Honor Society, the Penn State Adult Learners group, the Graduate Students Association, Penn State Veterans Organization and the Student Parent Organization of Penn State.

## Faculty honored for excellence in teaching, academic advising

Paul R. Shellenberger, professor of dairy science, received the 1995 College of Agricultural Sciences Alumni Society's Excellence in Academic Advising Award, which recognizes faculty with outstanding skills in academic advising, career planning and personal counseling. Advisers in the college are nominated by alumni, students, faculty and administrators.

Robert M. Frieden, associate professor of broadcastable, has been awarded the Excellence in Teaching Award sponsored by the School of Communications Constituent Alumni Society.

The award acknowledges and honors outstanding faculty for exemplary contributions, competence and overall dedication to the art of teaching. Nominees are judged on overall competence in the subject, ability to inspire students, participation in extracurricular activities, and success in



Paul R. Shellenberger

Robert M. Frieden

improving the tools and/or conditions of teaching.

Dr. Shellenberger has been at the forefront of advising in the College of Agricultural Sciences since 1967, coordinating advising and teaching in his department and serving on college and university committees devoted to advising issues. He currently advises 66 undergraduates in the animal bioscience and dairy and animal science majors and advises incoming stu-

dents during summer counseling programs.

In 1991, he received the Excellence in Advising Award from the Undergraduate Student Government Academic Assembly. In 1985, he received the AMOCO Foundation Award for Excellence in Teaching Performance. In 1975, he received the Christian R. and Mary F. Lindback Award for Distinguished Teaching from Penn State.

Dr. Shellenberger joined Penn State as an assistant professor in 1967 and became a full professor in 1977. Before joining Penn State, he was an associate professor of agriculture at Tarleton State College in Texas and a dairy specialist for the Texas Agricultural Extension Service of Texas A&M University.

Dr. Frieden's responsibilities include teaching and research in the areas of international telecommunications, national information infrastructure, telecommunications management and new technologies. He also provides legal, management and market forecasting consultancy services in such diverse fields as personal and mobile communications, tariff construction and business development.

Dr. Frieden received his B.A. from the University of Pennsylvania, and his J.D. from the University of Virginia.

## Continuing Education projects lauded

Six Continuing and Distance Education projects won awards from the National University Continuing Education Association (NUCEA) in 1995. Winners are:

—The Independent Learning 1994-95 catalog received one of the Distinguished Catalogue Bulletin Awards for College Courses.

Contributors to the production of the catalog were: Elizabeth A. Bechtel, assistant director of the Office of Marketing Communications; Stephen J. Wright, associate director for the Independent Learning Program, Department of Distance Education; Bruce E. Heasley, associate director for student services, Distance Education; Jean Erstling, writer; and Chris Triebert, designer, Triebert/Ross Design, South Newfield, Vt.

—The Independent Learning course Polish 100 DP (Polish Culture and Civilization) won a meritorious award in the University Credit Course category. It was developed by Charles Kraszewski, formerly of the Department of Slavic and East European Languages in the College of the Liberal Arts.

Members of the course development team were Anita F. Colyer, instructional publications designer

with the Department of Distance Education; Cynthia L. Galbraith, staff assistant/technical typist, Distance Education; and Patrick R. Sharrbaugh, graphic designer/illustrator, University Photo/Graphics, who created the cover graphics for the course study guide.

—Michael G. Moore, associate professor of adult education and academic director of the American Center for the Study of Distance Education, was honored with the Faculty Excellence Award for his contributions to continuing and distance education and the development of the certificate in Distance Education. The program is available to students and professionals worldwide.

The design and implementation of the framework for the non-credit certificate program were completed in 1990 as a result of a collaborative partnership between the College of Education's Adult Education Program, Continuing and Distance Education and the Penn State Monroeville Center.

Grasp the Power, a regional ad campaign designed and developed by Elizabeth A. Bechtel, assistant director of the C&DE Office of Marketing Communications, in collaboration

with Barash Advertising Inc., received a silver medal for Print Ad Campaigns from the NUCEA Division of Marketing and Promotion.

—Russian Greeting Poster, coordinated by Catherine Grigor, account specialist with the Office of Marketing Communications, won a merit award in the poster category of the Division of Marketing and Promotion.

The four-color poster featured the services and programs available to Russian educators through C&DE. Designed by freelance designer Jim Collins, it included text in both Russian, provided by Michael Naydan, head of Slavic Languages at Penn State, and English.

—The Catalyst, a magazine published by C&DE, received a merit award in the promotion/publicity category of the Division of Marketing and Promotion. Deborah A. Benedetti, a staff member with the Office of Marketing Communications, was the writer and editor for the publication and also supervised its production. David L. Maser, art director/designer, Marketing Communications, created the design; and Elizabeth A. Kapagna, graphic designer with University Photo/Graphics, was the designer.

## Awards

### Book on photography gets honorable mention

The Photographic Experience, 1839-1914: Images and Attitudes by Heinz K. Henisch and Bridget A. Henisch has won an honorable mention award in the 1994 Professional/Scholarly Publishing Division Annual Awards Competition sponsored by the Association of American Publishers.

Published by the Penn State Press in 1994, The Photographic Experience is a richly illustrated social and cultural history of photography focusing on the importance of photography in all aspects of life. The Photographic Experience deals with episodes and issues relating to the spread and practice of photography from its beginnings to World War I.

Mr. Henisch is research professor of the history of photography, the founding editor of History of Photography, and a fellow of the Royal Photographic Society of Great Britain. Ms. Henisch is author of East and Fast (Penn State, 1976). Both have published widely on photo-historical themes.

## Engineering Society honors three staff members for initiative, loyalty

Three College of Engineering staff members have received Penn State Engineering Society 1995 Staff Awards. The award recognizes individuals who show initiative and loyalty to the college beyond their job descriptions.

Doretta Garvey is the graduate staff assistant for the industrial engineering graduate program. The primary contact for students from admissions through graduation, she was recognized for her "organization, knowledge and a special ability to communicate with students of all ages, cultures and walks of life."

Patricia J. Long is external relations assistant for the College of Engineering, a position in which she



Doretta Garvey

interacts with students, faculty, college and university administrators, and alumni. A University employee for 12 years, she was recognized for "an extraordinary knowledge of people and procedures. She consistently



Patricia J. Long

displays a high level of professionalism, ambassadorship, efficiency, intelligence, dedication and cooperative spirit."

Eileen E. Orr is the undergraduate records secretary in the Department of



Eileen E. Orr

Engineering Science and Mechanics and the first contact point for anyone entering the departmental office. She was recognized for "her enthusiasm, patience, managerial skills and concern for students."

## Penn State recognized nationally for fund-raising, alumni relations and communication efforts

The University has won 11 awards for educational fund-raising, communications and alumni relations programs in the 1995 "Circle of Excellence" competition, sponsored by the Council for Advancement and Support of Education (CASE).

The Division of Development and University Relations, led by G. David Gearhart, senior vice president, won 10 awards.

The University was one of 98 non-profit institutions named to the 1995 Circle of Excellence in Educational Fundraising for exemplary performance or outstanding improvement. Penn State was selected for exemplary performance based on the judges' analysis of the data submitted to the Council for Aid to Education for 1992-94, when Penn State's private gift support rose from \$63 million to \$82.5 million. In addition to Dr. Gearhart, the fund-raising effort at the University is led by Bradford Choate, associate vice president for development and University relations, and Robert Groves, executive director of University development.

The University also won an inaugural CASE Leadership Award that recognizes outstanding individual development programs within a total fund-raising effort. The award recognized Penn State's program for "Building a Constituency for University Libraries." The program was a joint effort of the Penn State Office of Annual Giving, directed by Dan

Saftig, and the University Libraries, led by Dean Nancy Cline. The award cited efforts that quadrupled donors to the University Libraries in just two years, from 2,137 in 1992 to 8,453 in 1994.

In addition to awards for educational fund-raising, the Division of Development and University Relations won seven awards in communications and one in alumni relations, as follows:

—Silver medal for "Overall Publications Programs" to the Department of University Publications, Jeffrey T. Hermann, director and University editor; Karen Horne, assistant director; Rick Villastrigo, art editor; Mary Beth Carlin, production manager; Sally Helfentreyer, manager, editing and writing, and the entire office staff.

—Silver medal in "Individual In-house Publications" for the All Sports Hall of Fame fund-raising brochure, to the Department of University Publications: Mary Beth Carlin, production manager; Larry Krezo, designer; and Doug Stanfield, writer in the Department of Development Communications.

—Silver medal in "Visual Design and Print" for the Elastic Visions art exhibition catalogue for the Zoller Gallery, to the Department of University Publications: Lisa Lovell, publications specialist; Andy Capitos, designer; and Ann Marie LeBlanc,

artist whose work was chosen for the cover illustration; and writer, Cindy Morrison, gallery director for the School of Visual Arts.

—Silver medal in "Student Recruitment Publications Packages" for the Minority Engineering Recruitment Package, to the Department of University Publications: Mary Beth Carlin, production manager; Karen Wargo, publications specialist; Jennifer Quick, designer; Scott Johnson, photographer; and writer Barbara Bogue, coordinator of college relations in the College of Engineering.

—Silver medal in "Visual Design and Print" for Minority Recruitment Poster, to the Department of University Publications: Karen Wargo, publications specialist; Larry Krezo, designer; Scott Johnson, photographer; and writer Edwin Escalier, director, Division of Minority Admissions and Community Affairs, Undergraduate Admissions Office.

—Silver medal in "Special Program Publications Packages" for the 1994 Penn State United Way Promotional Campaign: Cindy Hall, director of University Marketing; Mary Beth Carlin, production manager; Scott Johnson, photographer; Larry Krezo, designer; Beverly Molnar, writer; Karen Wargo, publications specialist.

—Bronze Medal for "Overall Institutional Relations Programs" to

the Office of University Relations: Roger Williams, assistant vice president and executive director; Karen Rugh, director of University relations; Cindy Hall, director of University marketing; Jeff Hermann, director of University publications; Bill Mahon, director of public information; Mike Bezilla, director of development communications and special projects; and the entire office staff.

—Bronze medal in "Magazine Publishing Improvement" to The Penn Stater, the bimonthly magazine of the Penn State Alumni Association: Peter Weller, assistant vice president and executive director and publisher; Debbie Ream, editor; Gigi Martino, associate editor; April Scimio, art director; Felicia Thibault Mulley, feature writer; Judy Hazel, class news editor; Nick McCarthy, copy editor; Marjory Senneker, business manager.

In addition, CASE awarded a silver medal for "Special Interest Magazines" to Research/Penn State: Nancy Marie Brown, editor; Dave Pacchioli, writer; Suzette Marquette, editorial assistant; Erin Wease, designer; Mary Beth Carlin, production manager. Research/Penn State is published by the office of David A. Shirley, senior vice president for research and graduate education, with production assistance from the Department of University Publications.



### Vice president receives 1995 International Futures Award

James H. Ryan, vice president and dean of Continuing and Distance Education, has received the 1995 International Futures Award for Exceptional and Innovative Leadership in Continuing Higher Education from the National University Continuing Education Association (NUCEA).

The award is presented to leaders in continuing higher education who open new possibilities for all their peers and for their profession.



James H. Ryan

### Professor emeritus receives distinguished service award

William H. Gotolski, professor emeritus of civil engineering, has received the 1995 Penn State Engineering Society Distinguished Service Award. The award recognizes dedicated individuals who willingly donate their time, expertise and energies to one of the College of Engineering's academic departments.

Dr. Gotolski retired from Penn State in 1989, but has continued to volunteer as a teacher in the classroom. A former associate dean for undergraduate studies, he established the Engineering Advising Center in 1985. During his 37-year career, he also served on the Faculty Senate for 15 years.

Dr. Gotolski received bachelor's and master's degrees from Columbia University and a Ph.D. from Penn State, all in civil engineering.



William H. Gotolski

### 'What's in the News' wins educational award for 'A New Day in South Africa'

The "What's in the News" feature program "A New Day in South Africa," produced by WPSS-TV, has won the 1995 Central Educational Network (CEN) Award for Best Elementary Program in a series.

The program examines changes in South Africa leading up to the April 1994 elections and focuses on Nelson Mandela and his efforts to end the apartheid form of government. It first aired April 1 on WPSS-TV.

Currently in its 29th year of production, "What's in the News" has won several CEN awards. This year's award honors Timothy Swartz, executive producer, Kimberlie Kronic, producer/director, Katie O'Toole, writer/host, and Greg Thomas, co-host.

### OAS assistant director wins Caldwell service award

Scott A. Smith, assistant director for Systems Operations in the Office of Administrative Systems (OAS), is the fourth recipient of the Thomas R. Caldwell Service Award for Excellence. The award, established by employees of OAS, honors Tom Caldwell, a senior systems analyst for 15 years in Management Services, now OAS, who was killed in a house fire April 10, 1991.

All OAS employees are eligible for the award and are judged on dedication to their job, interpersonal relations and outstanding job knowledge. Mr. Smith has been a University employee for nearly 19 years and his name has been added to a permanent plaque on display in the lobby of 31 Shields Building on the University Park Campus.

## Awards

### Couple receives Mitchell service award

Glenn and Nancy Gamble of State College received the 1995 Philip Mitchell Alumni Service Award at the Alumni Association's recent 125th gala celebration.

Both Gambles have been active in Alumni Association activities since graduation. While living in New Jersey, where Dr. Gamble was director of Career Services at Rutgers University and Mrs. Gamble was an elementary school principal with the Mendham Township Board of Education, they held key positions in Penn State's Northern New Jersey Alumni Club. Dr. Gamble served as treasurer, vice president and president. They have also been active in the College of Education Alumni Society activities, both in New Jersey and since they retired and returned to State College.

Dr. Gamble was a founding member, first president

and served seven three-year terms on the board of directors of the College Alumni Society. He is largely responsible for establishing the Excellence in Education Award, the Outstanding Student Teacher Award and the VanderMeer Student Loan Fund, all current projects of the Alumni Society. His service to the College of Education earned him a certificate of achievement in 1974 and a meritorious service award in 1975.

Mrs. Gamble, a current member of the College Alumni Society Board of Directors, has been elected to the board for the last consecutive eight years. She is particularly known for the leadership role she played in chairing the college society's 25th anniversary.

She has served on awards committees and was part of the planning task force that created the award-winning Alum-

ni-Student Teacher Network.

In addition to service to the college, Dr. Gamble served on the Penn State Alumni Council from 1972 to 1978 and again from 1983 to 1989, and held several key committee assignments for the association, including co-leader of the Field Services and Minority Concerns task forces.

Both Dr. and Mrs. Gamble are currently active as members of the Penn State Alumni Admissions Program, serve as unofficial alumni historians and are both highly valued all-around Penn State volunteers for such projects as the Palermo Libraries Campaign, the Palmer Museum of Art and sports programs.

Penn State graduates, Dr. Gamble received his B.S., M.Ed. and D.Ed. in 1951, 1959 and 1959 respectively, and Mrs. Gamble received her B.S. in 1952 and M.Ed. in 1955.

### Drug, alcohol prevention efforts lauded

Four University staff members and five students have been recognized by the Council for the Prevention of Alcohol, Tobacco, and Other Drug Abuse for their "outstanding contributions" to the community in preventing abuse of alcohol, drugs and tobacco. A community leader and several University programs also were cited.

Criteria for selection included demonstrated innovation and enthusiasm and leadership beyond expectations. Those named are:

— Coach Joe Paterno for his work as a member of the board of trustees for the National Center on Addiction and Substance Abuse at Columbia, and for his contribution to the formation of the National Committee on Substance Abuse.

— Forest Wortham, assistant director of Student Life at University Park, for his leadership in developing Project for Alcohol Consumption Education (PACE).

— Anne Holmes, professor

of health education at the Penn State Wilkes-Barre Campus, for her health education course which reaches a large number of students and focuses on drug and alcohol, as well as HIV issues.

— Norma Berman, nurse director of Health Services at the Penn State Osgott Campus, for her leadership as advisor to SADD and her work with National Collegiate Alcohol Awareness Week, as an coordinator of News Day and Smoke-Out Day.

— Senior John Amaechi for his leadership to Ray of Hope and his work with at-risk youth.

— Graduate student Randall Stine for his development of a presentation on "Alcohol, Advertising and African Americans" to help raise awareness of substance abuse issues among people of color.

— University Park undergraduate students Lori Austin, co-founder of Alcohol and Alcoholics support group, and Dana Liddy, student director

of ATOD for Healthworks.

— Penn State Osgott student Christina Scoleri for her leadership as SADD president and past special events coordinator for SADD.

— Lt. Tom Hart, State College police officer, for his work with the Project for Alcohol Consumption Education (PACE) and his efforts enforcing existing laws.

The programs and organizations honored include:

— Penn State Emergency Medical Service Association for their program "Alcohol Emergencies" designed to increase awareness of the health ramifications of excessive alcohol consumption.

— LIFE House, University Park Campus. A substance-free special interest house which promotes a drug- and alcohol-free living environment.

— CARE Program, Beaver Campus. An organization developed to provide information to students about alcohol use and abuse.

### Three in Smeal College honored for excellence

Holly S. Lewis, Lisa Williams Walton, and Sherry Bowman have received The Smeal College of Business Administration's 1995 Fred Brand Jr. Awards.

The awards honor teaching and advising excellence in the college's undergraduate programs. Created in 1979 with the

support of Fred Brand Jr. (BA '32) of Pittsburgh, the awards are based on nominations from students and faculty members of the college.

Dr. Lewis, assistant professor of management science, received the Fred Brand Jr. Undergraduate Teaching award; Dr.

Williams Walton, assistant professor of business logistics, won the Fred Brand Jr. Undergraduate Advising Award, and Ms. Bowman, a doctoral candidate in management science and information systems, was the recipient of the Fred Brand Jr. Graduate Student Teaching Award.

## Appointments

### New department head appointed

George E. Andrews, Evan Pugh Professor of mathematics, has been named head of the Department of Mathematics effective Sept. 1.

He succeeds Jerry L. Bona, who left Penn State to join the faculty of the University of Texas at Austin after heading the department from 1991 until December 1994. Douglas Arnold, professor of mathematics, is serving as acting head of the department in the interim.

Dr. Andrews, whose work has found major applications in enterprises as diverse as statistical mechanics and computer science, is renowned for his work in number theory and related topics. He is perhaps best known outside the mathematics community for his discovery of the lost notebook of the late mathematical genius Srinivasa Ramanujan, and his work with the formulas it contains.

He is the author or coauthor of more than 180 papers published in scholarly journals, the author of four mathematics textbooks and the editor of three books on various topics in mathematics.

Dr. Andrews received both bachelor's and master's degrees in mathematics from Oregon State University in 1960. He earned a doctoral degree at the University of Pennsylvania in 1964. He joined the Penn State faculty in 1964 as an assistant professor, was promoted to associate professor in 1967, to professor in 1970, and to Evan Pugh Professor in 1981.

He was named a Fulbright Scholar in 1960, the Hendrick Lecturer of the Mathematical Association of America in 1980, a Guggenheim Fellow in 1982, a Conference Board of Mathematical Sciences (CBMS) Regional Conference Principal Lecturer in 1985, and the Pi Mu Epsilon J. S. Frame Lecturer in 1993. He received the Penn State Golden Key Outstanding Faculty Award in 1986 and the Penn State Teresa Cohen Award for undergraduate mathematics advising and teaching in 1992.



George E. Andrews

### Department head named for ME

Richard C. Benson of the University of Rochester has been named professor and head of the Department of Mechanical Engineering. Dr. Benson is currently professor and chair of the University of Rochester Department of Mechanical Engineering. He will join Penn State in July.



Richard C. Benson

A strong proponent of industry involvement in engineering education, Dr. Benson recruited industry sponsorship for advanced real-world design projects and promoted an

Internship With Industry program. He also served on the Rochester College Task Force to implement new undergraduate programs and administrative structures.

Dr. Benson's research focuses on the mechanics of flexible objects such as computer disks and tapes, film, paper sheets and soft contact lenses—objects that have little ability to withstand loads, but must

be handled with speed and precision. He is founder and director of Mechanics of Flexible Structures Projects, an industry-funded research effort based on his research program. The Eastman Kodak Co., with support in excess of \$1 million, is the principal sponsor. His other current projects include the tribology and mechanics of digital imaging.

Dr. Benson earned a Ph.D. in mechanical engineering from the University of California at Berkeley as an IBM Fellow. His graduate studies resulted in one of the first modeling studies of a computer floppy disk. He received a B.S.E., with honors, in aerospace and mechanical science from Princeton and a master's in mechanical engineering from the University of Virginia. He is a registered professional engineer.

He then joined Xerox as a technical specialist and project manager, specializing in the mechanics of paper and paper transport systems. He joined the University of Rochester in 1980 and was promoted to professor and associate dean for graduate studies in 1989 and chair of the Department of Mechanical Engineering in 1992.

A leader in teaching and research, Dr. Benson received the American Society of Mechanical Engineers' Henry Hess Award and an Excellence in Teaching Award from the engineering students at Rochester. He represented the College of Engineering and Applied Science on the University of Rochester presidential search committee.

### Berks names alumni relations assistant

Jeff Deitrich has been named alumni relations/special events assistant in the Office of University Relations at the Penn State Berks Campus.

He will coordinate the efforts of Penn State, alumni groups associated with the Berks Campus, handle special events planning and assist with campus fundraising activities.

A 1999 graduate of Penn State's School of Communications with a degree in mass communications, Mr. Deitrich was public relations writer for Widener University. He is a freelance writer for Pennsylvania A&A, an outdoor magazine.

He is president of the Penn State Alumni Association's Lion Ambassador Alumni Society and has been an officer of alumni chapters in Allegheny and Montgomery counties. As a student he was president of the Penn State Glee Club, writer/layout designer for The Football Letter, and a Lion Ambassador.

### Purchasing manager comes on board

Joyce Haney, has been appointed manager of Purchasing Services, reporting to the director of Procurement and Materials Management within the Office of Business Services. As manager, she is responsible for assuring that equipment, supplies, material and services are procured in an efficient and cost-effective manner. This includes responsibility for the day-to-day operations of Purchasing Services.



Joyce Haney

Ms. Haney joined the University after being with HBR Systems in State College for 16 years. After completing HBR's financial management trainee program, Ms. Haney worked in the Purchasing Department for 13 years. During this time she was responsible for the procurement of various services, materials, electronics, computers and subcontracts. Ms. Haney successfully implemented and man-

aged the first automated procurement system at HRB and was responsible for both corporate and government reporting requirements for the Purchasing Department.

At HRB, Ms. Haney led the Quality Improvement Team within the Purchasing Department and served as its representative on numerous quality improvement teams, which resulted in significant savings and process improvements. She also served as the quality advocate for the finance area.

Ms. Haney received a bachelor of science degree from Lock Haven University in 1978.

### MEP gets program coordinator

Brenda L. Porterfield has been appointed program coordinator for the College of Engineering Minority



Brenda L. Porterfield

Engineering Program. She reports to Sandra D. Johnson, director of MEP.

Ms. Porterfield is in charge of organizing student recruitment and retention programs for high school students and incoming undergraduates. Among her activities are organizing BEST (the Business, Engineering, Science and Technology Program for high school juniors and seniors) and PREF (the Pre-Freshman Engineering and Science Summer Bridge Program).

Previously a staff assistant in the Department of Industrial and Manufacturing Engineering, she joined Penn State in 1987 as a secretary in the undergraduate admissions office. Last summer, she served as a program assistant in the Office of Human Resources as part of the staff assistant training program.

Before coming to Penn State, Ms. Porterfield was a senior telecommunications service coordinator for American International Group in New York. She attended New York City University and is working toward a bachelor's degree at Penn State.



Melanie S. Rupert

### Altoona names financial officer

Melanie S. Rupert has been appointed financial officer at the Penn State Altoona Campus. Before accepting this position, Ms. Rupert worked at University Park for seven years, first as assistant aid coordinator then financial aid coordinator in the Office of Student Aid, and most recently as assistant bursar/residency appeal officer in the Office of the Bursar.

In her last position at University Park, Ms. Rupert was responsible for student residency reclassification, updating student records for graduate and fellowship appointments, assisting students and others with billing and receiving procedures, and developing training materials for staff.

She earned a B.S. degree in management science from Lock Haven University, and an M.S. in education—adult education from Penn State. She is a member of Pi Lambda Theta International Honor and Professional Association in Education, and the Pennsylvania Association for Adult and Continuing Education.



# CQI

CONTINUOUS  
QUALITY  
IMPROVEMENT

## Applications available

If you would like to receive information about Pennsylvania Quality Leadership Awards or an application to become a 1995 Pennsylvania Quality Leadership Award examiner, contact Beverly Centini, executive director, Pennsylvania Quality Leadership Foundation, Inc., P.O. Box 4129, Harrisburg, PA 17111-0129; or phone 717-561-7100, or 1-800-693-4600, or Fax 717-561-7104. Examiner applications are available in June and July. Applications are due in August.

## Quality training

AMP Inc. in Harrisburg offered a unique opportunity to six of Pennsylvania's Continuing & Distance Education staff members to participate in a quality training program. AMP has established an excellence in quality improvement award process, modeled after the Malcolm Baldrige National Quality Award. The training is designed to help applicants and internal quality examiners on the award criteria.

Dan Goepf, Susan Shuman, Fred Loomis, Jan Winemiller, Wes Donahue, Larry Ragan, David Weidner, Kelley Candan and Kim Townsend attended sessions in which they learned how to assess their organization by identifying strengths and opportunities for improvement using the Baldrige criteria.

## Newest CQI teams

■ **Campus Referrals Team**—examine and improve the process of referring CES student applicants to the other Commonwealth campuses with residence halls when Hazelton, Berks and Altoona become full. Robert Huntham, John Romano and Tom Gibson, sponsors; Deborah Hitchcock and Chris Hurley, leaders; Dean Murray, facilitator.

■ **Business Services Inter-Office Communications**—examine and improve the inter-office communications between the various units within the office of Business Services. Betty Roberts, sponsor; Mike Poorman, leader; Dean Murray, facilitator.

■ **Alumni Office Telephone Inquiries**—examine and improve the process of responding to phone inquiries in the Alumni Office. Peter Weiler, sponsor; John Black, leader; Margaret Sebastianelli, facilitator.

■ **Business Services Checks and Balances Team**—study and improve checks and balances in proof and quality control processes in Printing Services. Robert Hierschler, sponsor, leader to be elected by the team; Jackie Eposito, facilitator.

# New Eberly College of Science program for pre-med students is flexible, versatile

The Eberly College of Science has established a new post-baccalaureate Premedical Certificate Program at the University Park Campus. This program is intended for a select group of academically talented, highly motivated college graduates who do not have a science background but who wish to prepare for admission to medical, dental, optometry, podiatry, veterinary, physical therapy or allied health schools.

"This program is not remedial nor intended for students who already have a science background and want to bolster their academic record in science," Robert Mitchell, professor of biology and director of the new program, said. "Those students can enroll at Penn State as non-degree graduate students or in a one-year master's degree program."

Students in the program can learn what scheduling is known to take the next step in their new chosen field in as little as 15 months, depending on the schedule they choose.

The program's courses provide excellent preparation for the health-care professions. Penn State has a long tradition of cooperative arrangements with some of the best medical and dental schools in Pennsylvania and elsewhere in the United States. Penn State ranks in the top 20 schools in the country in the number of students admitted to medical schools annually.

The program consists of 38 credits of prerequisite science courses, general biology, general chemistry, physics, and organic chemistry. Students can complete these prerequisite courses in two semesters plus two summer sessions, or in four semesters.

Students in this program are assigned both a faculty adviser and a professional academic adviser, who work with them in selecting and scheduling courses and planning for application to a health-profession school. They also can use the services of the Eberly College of Science

Advising Office and the Penn State Career Development and Placement Service.

Other features of the program include: access to preparatory science and math courses, if necessary, access to tutoring programs in biology, chemistry, and physics; access to preparatory courses for standardized admission tests, such as MCAT, DAT, or OAT; and participation in local physician-shadowing and hospital-volunteer programs. To be eligible for admission to this program applicants must have: completed a bachelor's degree in a nonscience area from an accredited college or university, earned a grade-point average of B or better, had some volunteer work or experience in a health-care setting, and demonstrated success in taking standardized tests, such as SAT or GRE exams.

For more information about the program, call 1-800-778-8632 (1-800-PSU-TODAY).

## Bookshelf

Anthony R. D'Augelli, professor of human development, is co-editor, with Charlotte J. Patterson, of the University of Virginia, of *Lesbian, Gay, and Bisexual Identities over the Lifespan*, published by Oxford University Press. The book contains a review of social scientific research on sexual orientation from adolescence through the older years, on the nature of close and family relationships of lesbians, gay men and bisexual people, and on community issues faced by people with different sexual identities. The purpose of the book is to educate future researchers in sexual orientation as well as provide research summaries for professionals in counseling, psychology, psychiatry, social work, education and nursing.

John W. Bagby, professor of business law in The Smecal College, is co-author of *Irwin's Business Law: Concepts, Analysis, Perspectives*, published by Richard D. Irwin, Inc. (RDI), Burr Ridge, Ill.

The work is part of the multimedia business education set titled *Multimedia MBA* (also trademarked as *Irwin proMBA*) a CD-ROM business curriculum which includes 13 of RDI's leading business fundamentals books.

Tom Griffiths, manager of aquatic facilities at the University, is the author of *The Swimming Pool*, published by Simon & Schuster.

Subtitled "Everything You Need to Know to Design, Build, and Landscape the Perfect Pool," the illustrated, comprehensive volume examines the wide variety of pools available today.

The *Swimming Pool* offers detailed advice on a complete range of relevant

topics such as the essentials of designing and construction a pool; appropriate plantings and landscaping; proper filtration; water chemistry; and safety tips.

Also included is a chapter exploring numerous case studies covering a range of budgets and uses.

Part one of the book is devoted to helping select an appropriate pool for one's needs, budget and available space. Part two is an easy-to-use handbook that takes all the worry out of pool upkeep. The book concludes with an extensive list of pool plantings, and a listing of pool publications worldwide.

Dr. Griffiths, who has been a member of the University staff since 1986, also is the author of *Scuba Diving, In-Depth* and *The Complete Swimming Pool Reference*.

Edwin L. Herr, distinguished professor of education and associate dean for academic programs and research in the College of Education, is the author of *Counseling, Employment-Bound Youth*, published by ERIC/CASS Publications of the University of North Carolina at Greensboro. The 302-page book is the first of a signature series of books, funded by the U.S. Department of Education, and written by prominent scholars on major issues confronting education and counseling.

In the book, Dr. Herr analyzes the status of the millions of employment-bound high school graduates in the U.S. who have largely been ignored in the literature on careers and counseling. These are youth whose goal, at the end of high school, is to go directly to work rather than to post-secondary

education or college.

Within the context and challenges of the global economy, Dr. Herr identifies the importance of this population to the nation's economic and human resource development goals; how our competitor nations address the educational and career development needs of these persons, and the importance of collaboration among schools, community-based transition services, and employers in facilitating career planning, preparation, the movement, induction and adjustment to employment.

He discusses specific counseling, educational and human resource strategies important to this population; the needs for greater collaboration among schools and employers in facilitating the career development of employment-bound youth; and recommendations for relevant policy and legislation pertinent to employment-bound youth and to the availability of career services in their behalf.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, Douglas M. Smith, of the University of New Mexico, and Jeffrey S. Beck, of Mobil Research and Development Corp., are coeditors of *Advances in Porous Materials* published by the Materials Research Society of Pittsburgh. The book is the result of a symposium held at the Materials Research Society 1994 fall meeting in Boston.

The book covers invited as well as contributed papers from 17 countries on the synthesis, processing and properties of all kinds of inorganic and organic porous materials.

## Research award deadline is June 16

For the third year in a row, applications are being sought from tenure-track faculty for the Penn State Fund for Research award, created by President Jobb Thomas.

The deadline for application is June 16 for University Park faculty, July 1 for faculty at Penn State Erie, The Behrend College, and Oct. 1 for faculty at Penn State Harrisburg. Anyone with questions about the deadlines or criteria, should call the Office of the Vice Provost and Dean for Undergraduate Education at 863-1864.

Awards from the fund are intended to complement and extend the resource base available to individual faculty members to carry on meaningful scholarly projects.

Awarded funds are to be used to cover small and moderate expenses related to specific projects and are not to be used to acquire released time from teaching. Typically, the amount of the award does not exceed \$1,500.

Tenure-track faculty at any location of the University who teach 18 or more credits (of sections of at least four students) in a fall-spring academic year are eligible.

Applications for faculty at University Park should be forwarded to the Office of the Vice Provost and Dean for Undergraduate Education, 417 Old Main; applications for faculty in the Commonwealth Educational System should be developed along with applications for the Research Development Grant and forwarded to the CES senior associate dean; application for Behrend College faculty should go to the associate dean for Graduate Studies, Research, Continuing Education and Economic Development; and application from faculty at Penn State Harrisburg should be forwarded to the associate dean for Research and Graduate Studies.

Selection of awardees and determination of grant amounts will be made by the fund administrator at each location.

# University seeks applications for position of vice provost

John A. Brighton, executive vice president and provost of the University, invites applications and nominations for the position of vice provost. The position will be structured as a half-time to three-quarters-time appointment and is available July 15, 1995. The search is being conducted internally within Penn State.

The vice provost will provide general assistance to the executive vice president and provost in the area of academic administration. Responsibilities involve administering academic personnel matters, including promotion and tenure, sabbatical leaves, and other faculty development programs. The vice provost serves as a liaison with the Office of Human Resources. Additional responsibilities

include managing executive searches, as well as representing and assisting the provost on special projects.

The vice provost will interact frequently with the University Faculty Senate, representing the executive vice president and provost on the Committee on Faculty Affairs. In this capacity, the vice provost participates in meetings of the Senate Council, monitors Senate legislation and consults with the Senate leadership and committees as appropriate.

It is expected that candidates' qualifications will include a rank of professor, associate professor, or equivalent, with a strong record in University teaching, research and scholarship, as well as evidence of successful administrative experience.

Other qualifications include demonstrated leadership and interpersonal skills that facilitate the flow of positive exchanges of views between the faculty and administration.

Nominations and letters of application accompanied by resumes and other supporting materials should be submitted to:

John I. Cahir, chair of the Search Committee for the Vice Provost, The Pennsylvania State University, Box PS1, 201 Old Main, University Park, Pa. 16802.

The Search Committee plans to review applications beginning in July and will continue to receive applications and nominations until a suitable candidate is selected. Penn State encourages women and minorities to apply.

## Governmental Affairs seeks director of Legislative Affairs

The Office of Governmental Affairs is seeking someone for the position of director of Legislative Affairs.

The position reports to the special assistant to the president for Governmental Affairs and serves as a liaison between the University and the federal government with primary emphasis on Capitol Hill. The individual should have the ability to determine the potential opportunities and/or impact of federal activities for the University.

The person selected for the position must be able to represent the University on a broad range of issues as well as monitor, interpret and analyze federal legislative initiatives for the University administrative and academic officials.

The individual must have a record of interaction with elected and appointed officials. Knowledge of the legislative process is desirable and working knowledge of the University

is essential. The position involves regular travel to Washington, D.C. A bachelor's degree is required, and excellent oral and written communication abilities are necessary. A major emphasis will be placed on excellent interpersonal skills.

Letter of application and accompanying resume should be sent to Gloria D. Briggs, 1-A Old Main, no later than July 17.

Members of the screening committee include L. R. Hettich, committee chairman and director of the Applied Research Laboratory; Catherine Lyons, director, Center for Minority Graduate Opportunities; Sean O'Keefe, special assistant to the senior vice president for research and dean of the Graduate School; Barton Browning, associate professor of German; and Richard D'Ugentio, director of Governmental Relations.

## Calendar

continued from page 11

### Monday, June 26

Governor's School for the Ag. Sciences, 71 attendees, location to be announced.

### Tuesday, Aug. 5

Bidding the Distance: AT&T, 20 attendees, The Penn State Scanticon, through June 28.

Bag Camp for Secondary School Teachers, 25 attendees, through June 29.

Accident Investigation Techniques, 12 attendees, The Penn State Scanticon, through June 30.

### Wednesday, June 28

Baseball Camp I, 55 attendees, University Residence Halls, through July 2.

## EXHIBITS

### HUB Art Alley:

Pottery of Ian Stainton and photography of

Todd Franson, through June 18.

Kern Exhibition Area:

Origami Exhibition of Clara Ines and Juan Carlos Londono, and the photography of The State College Photo Club, through June 20.

### Peter Museum:

"Gift to Celebrate the New Museum,"

through July 16.

■ "Dreamtime: Australian Aboriginal Art from the Collection of John W. Kluge," through July 16.

### Paste

East Corridor Gallery:

"Pennsylvania, the Unspoiled Landscape," Jim Salem's exhibition of 35 canvases painted on location throughout the state," through July 10.

West Lobby Gallery:

"Tropical Hummingbirds: A Portfolio by Heidi Marie Finley," a collection of pastels by Heidi Marie Finley, through June 30.

Zoller Gallery:

"Crafts National 29," ceramics, fibers, glass, metals, wood, paper, and mixed media, through July 23.

## TIPS

Information Penn State

Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

■ Reflects an international perspective

## 25-year Awards



Observing 25 years of service at the University are (from left): H. James Dunlop, director of procurement and materials management; Business Services; Wesley Rhodes, an associate professor of physics at the Penn State Schuylkill Campus; and Peter E. Ostrand, associate professor of physics, and Nathan Viswanath, associate professor of chemistry, both at the Penn State Fayette Campus.

Not pictured but also observing 25 years of service are Shirley C. Rader, staff assistant VI in the Institute for the Arts and Humanistic Studies, in the office of the senior vice president for Research and Graduate Education, and Garry Reardon, maintenance worker, Office of Physical Plant.



## Strict laws could cut drunk driving

Statistics over the past decade show that tougher drunk-driving laws have worked. A University economist says that, if more states initiated or used such laws, drunk driving could be further reduced by 18 percent for men and 20 percent for women.

"In states with stricter deterrence laws, drunk driving has declined sharply, with a corresponding decrease in traffic fatalities," said Donald S. Kenkel, assistant professor of economics in the College of the Liberal Arts.

"Preventive measures initiated over the past decade include mandatory jail terms for first offenders, administrative (as opposed to court-imposed) license suspensions, preliminary breath tests, sobriety checkpoints, and prohibitions of plea bargaining in drunk-driving cases."

The tougher drunk-driving laws of the 1980s have proved a policy success, Dr. Kenkel said. Nevertheless, some states have been less diligent in implementing such laws, and their drunk-driving rates are appreciably higher than those of states with stricter deterrence policies.

"Traffic accidents are one of the principal causes of death in the United States, and the leading cause of death for people aged 3 to 34," he said.

"Alcohol is involved in an estimated one-half of all fatal accidents."

Dr. Kenkel's study was based on the Health Promotion and Disease Prevention Supplement to the 1985 Health Interview Survey, which used a national sample of 11,899 males and 15,703 females. Respondents were asked about their drinking and driving habits.

"Some of the respondents came from states with tougher laws, some from states with milder laws," he said. "The survey revealed that residents of states with tougher drunk-driving laws had significantly less heavy drink-



**"Residents of states with tougher drunk-driving laws had significantly less heavy drinking."**

Donald S. Kenkel,  
assistant professor of economics,  
College of the Liberal Arts

ing." While alcohol control policies raise the cost of drinking, deterrence policies raise the cost of drunk driving by increasing the probability of arrest and conviction and the severity of punishment, Dr. Kenkel said.

Laws allowing police to administer a preliminary breath test for alcohol expand the probability of

arrest, as do sobriety checkpoints. Anti-plea bargaining laws increase the likelihood of conviction on the charge of drunk driving, instead of a lesser charge such as reckless driving.

"Laws establishing a mandatory punishment for first conviction intensify the severity of punishment," Dr. Kenkel said.

Other laws provide for administrative license suspensions and revocations for drivers failing or refusing an alcohol breath test.

"Administrative actions are also generally swifter, so the delay is reduced," Dr. Kenkel said. "Administrative license actions generally occur within one or two months following arrest, compared to four to six months for court-imposed actions."

Overall, fines are the best way to deter criminal behavior, because society thus acquires revenue that can be used for rehabilitation programs. On the other hand, jail terms in effect penalize both the drunk driver and society, since the drunk driver ceases to be a productive citizen.

Compared to fines, license suspensions create additional benefits because repeat drunk drivers are taken off the road. It is estimated that, if all arrested

drunk drivers were barred from driving, annual alcohol-related fatalities would decrease by somewhat less than 5 percent.

"It is important, however, not to overpunish the drunk driver," Dr. Kenkel said. "There are many more occasional or casual drunk drivers than repeat offenders, who form a very small minority of drunk drivers. Thus, deterrence has to focus primarily on the occasional drunk driver."

"My findings give additional evidence that deterrence policies can effectively cut down on heavy drinking and drunk driving," Dr. Kenkel said.

"Simulation results indicate that increased use of these deterrence policies should decrease drunk driving by almost 20 percent."

Increasing the price of alcohol by increasing excise taxes can also reduce heavy drinking and drunk driving," he said.

His estimates imply that a 10 percent increase in the price of alcohol would lead to a 7 percent to 8 percent decrease in heavy drinking and driving while drunk.

Dr. Kenkel's research is funded by the Public Health Service.

—Paul A. Blum



Drunk driving deterrence laws include license suspension and revocation for drivers failing or refusing to take an alcohol breath test.

Photos: Greg Grieco

### Research



Team  
explains  
LCD  
magic

A team of IBM and University State scientists have solved the mystery of how liquid-crystal displays (LCDs) work.

Scientists have long known that rubbing the base material onto which liquid crystal molecules are spread will produce an altered surface that causes the molecules to line up, an essential step in making the \$5 billion worth of flat-panel LCDs produced worldwide each year.

In their experiments, IBM scientists Tom Russell, who led the research, Michael F. Toney, J. Anthony Logan and Hirotsugu Kikuchi, Penn State Associate Professor Sanat K. Kumar, and James M. Sands, a Penn State graduate student, proved that the rubbing creates a molecular template.

This discovery may enable the team to develop a non-contact way to align the crystals, allowing for use of thinner LCD films, faster response, higher contrast and clearer images.

### Early fetal loss may increase with age

The age-related decline in ability to have children may be due to early fetal loss, rather than an inability to conceive, according to a University anthropologist.

"It appears that age does not affect conception as much as it increases the probability of a high-risk conception that terminates early," Darryl Holman, a doctoral candidate in anthropology, said.

Based on their findings, Mr. Holman and fellow researchers James Wood, professor of anthropology, and Kenneth L. Campbell, associate professor of biology at the University of Massachusetts, theorize many of these early fetal losses occur during the initial seven days of pregnancy when existing tests do not yet identify women as pregnant.

Understanding the rate of subclinical fetal loss — events that occur without the woman knowing — and the effect that age has on early fetal loss may eventually help to improve the rates of successful in vitro fertilization, the researchers said.

## ATHLETICS

A regular column provided by Intercollegiate Athletics

### Penn State leads conference

Eighty-eight student-athletes, representing spring and at-large sports, have been recognized as Big Ten Academic All-Conference selections. Boosted by these 88 honorees from baseball, softball, men's volleyball, men's and women's fencing, golf, lacrosse, tennis and track and field, Penn State led all 11 conference institutions in 1994-95 with 174 honorees total. Minnesota was second with 138 and Ohio State was next with 131.

The Nittany and Lady Lions have seen their number of Academic All-Conference honorees increase from 129 in 1992-93, to 157 in 1993-94 to 174 this year, a jump of 35 percent over the two-year period.

### Jordan Center

Faculty and staff who have not been basketball season ticket holders have a unique opportunity to climb aboard the hoops bandwagon this year with the anticipated opening of the Bryce Jordan Center.

For information on men's and women's basketball in the brand new Jordan Center, call or visit the Penn State ticket office at Beaver Stadium. The phone number is 865-1000.

### Tune in

ABC Television will provide regional coverage of Penn State's opening game of the 1995 season on Sept. 9 when the Nittany Lions entertain Texas Tech in Beaver Stadium.

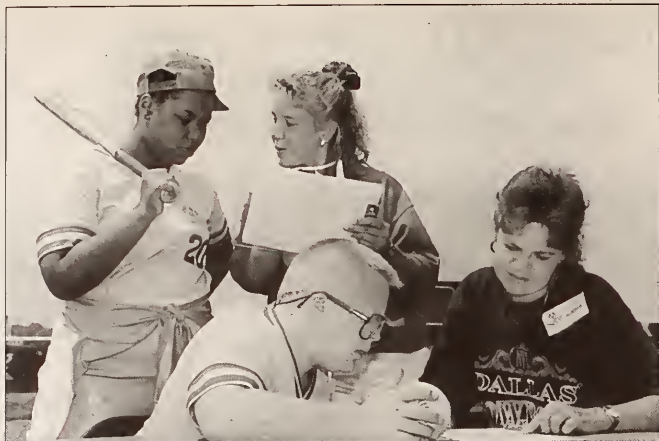
Kickoff for the season opener, the first-ever game between Penn State and the Red Raiders, is set for 12 p.m., EDT.

The telecast is the second to be announced for the Nittany Lions next fall. Earlier, ESPN selected the Wisconsin game here on Sept. 30 as part of a national prime time doubleheader. Kickoff for that game will be 5:45 p.m., EDT.

### Durant inducted into NACDA

Della Durant, who retired from Penn State in July 1989, has been selected for induction into the National Association of Collegiate Directors of Athletics (NACDA) Hall of Fame.

When Penn State elevated its women's recreation program to intercollegiate status in 1964, Ms. Durant was its first administrator. She served four years on the Association for Intercollegiate Athletics for Women (IAAW) Executive Committee, the forerunner to the NCAA as the governing body for women's sports. She also was president and treasurer of the Eastern IAAW. In 1973, Ms. Durant was named assistant athletic director.



### Special people

Looking over the softball roster at the 1995 Special Olympics Summer Games held at University Park are (from front, left) Joshua Overdoff, an Olympian from Indiana County, and Peggy Kresovich, staff assistant in the College of Education; (standing, left) Tyeisha Clemons, a Special Olympian from Indiana County, and B. J. Davidson, a senior in exercise and sport science. Every year, more than 2,200 University volunteers help pull off the event.

Photo: Greg Grieco

## Private Giving

### Penn College receives \$50,000 from Caterpillar

Caterpillar Inc. and the local Caterpillar dealership, Cleveland Brothers Equipment Co. Inc., have awarded \$50,000 to Pennsylvania College of Technology, as part of the Caterpillar Dealer Excellence Fund Program. The donation will support Penn College's heavy equipment and diesel technology training programs.

The Caterpillar Dealer Excellence Fund is a joint effort by Caterpillar and its dealers to provide educational institutions with in-kind donations of equipment, grants to upgrade teach-

ing equipment, scholarship awards for students to prepare for careers in diesel and heavy equipment technology. Penn College is among 15 colleges and vocational-technical schools throughout the country to receive the funds. The goal of the project is to support programs training qualified service technicians, which are in short supply nationally.

Through the Caterpillar Dealer Excellence Fund, Caterpillar has awarded \$25,000 in grant monies to the college, with Cleveland Brothers

providing a matching \$25,000 in-kind donation of equipment, parts and supplies.

The Excellence Fund also serves to further strengthen the long-standing relationship between Penn College and Cleveland Brothers. With its main office based in Harrisburg, Cleveland Brothers also has offices in White Deer, Mansfield, State College, Philipsburg, Wilkes-Barre, Frackville, Pocono Summit and Lancaster.

## PENNSTATE INTERCOM

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Lisa M. Rosellini, editor  
Annemarie Mountz, associate editor  
Kathy Norris, staff assistant/calendarr

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## Vision becomes reality at Research Park facility

**Entrepreneurs who want to start an advanced-technology business in Centre County have a lot of help**

available from both Penn State and the Centre County Business and Technology Center, located in the Penn State Research Park.

The county's business incubator program, in operation since 1983, has had an 80 percent success rate overall in developing new businesses, with 29 of the 35 companies that began in the program still operating. Every firm that started in the incubator since 1989, when it began a cooperative arrangement with the University, is still in business.

The University's Research and Technology Transfer Organization (RTTO), a group of programs housed on the first floor of the Technology Center Building, plays an indirect, yet important, role in that success.

"The primary role of this organization is to link Penn State research to commercial applications, and there are a lot of ways to make that happen," said Paul Hallacher, director of program development for the RTTO, which

houses the Ben Franklin Technology Center, the Pennsylvania Technical Assistance Program (PENNITAP), the Industrial Research Office and other major University technology transfer units.



Electrical engineering master's candidate Paul Brown, lead hardware engineer at Paragon Technology Inc., tests a computer circuit board.

Photo: Greg Grice

"Existing companies can sponsor research at Penn State, and may license technologies arising from university research. Another very important way is through new business formation. In some cases, faculty may help start new companies based on technologies developed through their research," said Mr. Hallacher.

Companies such as Paragon Technology Inc. have taken full advantage of the resources available at Research Park. Paragon, which moved into the incubator in the summer of 1992 and will graduate from the program in December, designs circuit boards to allow full-motion digital video on laptop computers.

The company is currently market-

ing an antenna modeling software package developed by James K. Breakall, associate professor of electrical engineering at Penn State.

Paragon licensed Dr. Breakall's techniques from Penn State through the University's Intellectual Property Office on the first floor of the building, and incorporated the technology in a new, user-friendly product.

Like most start-up firms in the incubator, Paragon has used Ben Franklin funding. The Ben Franklin Partnership is a state program designed to stimulate business growth and economic development in Pennsylvania. The partnership invests money on a project basis in

See "Research Park" on page 5

## University appropriation OK'd by Ridge

Ending a legislative battle that lasted weeks, Gov. Tom Ridge signed an appropriation June 30 allocating \$269 million to the University for 1995-96 — \$23 million short of what Penn State officials requested and the same amount appropriated in 1994-95.

Penn State isn't the only institution to be denied additional funding. Allocations for the three other state-related universities — Lincoln, Pitt and Temple — also are the same as the previous year. Pitt and Temple each will receive about \$144 million and Lincoln will be given nearly \$10.2 million.

"Although we are relieved the general assembly was able to come to an agreement on the appropriation we will receive, this level of funding obviously falls short of what we had hoped," John Brighton, executive vice president and provost, said. "As in past years, we'll be taking a serious look at areas where funds can be reallocated, keeping academic quality foremost in our minds."

Dr. Brighton said it's too early to determine which areas may need to be reevaluated.

"This is going to be a particularly difficult and trying time for the University, and for higher education as a whole," he said. "However, our efforts early on with the Future Process have given us an advantage in refocusing and restructuring our initiatives."

The University is now in the third-year of the Future Process, which by the end of 1995-96 will help make more than \$37 million available for reinvestment in academic priorities and critical support needs.

## Inside



**Penn State athletes get glowing review**

University student-athletes score high in the latest NCAA graduation rate report. See page 3 for details.



**In search of...**

Researcher James F. Kastling, professor of geosciences, looks to the heavens for signs of life. See story on page 15.

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# DIVERSITY

## Penn State Program has new approach to Americanization

Like many of our grandparents, the new generation of immigrants face a backlash from native-born Americans who doubt the value of government initiatives and services as an investment in the new arrivals, largely Hispanic and Asian.

However, a Bethlehem, Pa.-Penn State partnership program shows how a multicultural/multilingual approach is bringing the many immigrant cultures together to preserve — not dilute — a sense of American nationality.

"Immigrants today have no less potential for being absorbed into the American system, but the acculturation process has to work differently, with education playing a central role," Thomas D. Yawkey, professor of curriculum and instruction in the College of Education, said.

Throughout most of this country's history, the public schools have provided immigrants an initiation into American society," Dr. Yawkey said. "Until recent years, the classroom

method was to ignore the original culture and strictly emphasize American ways and the English language exclusively."

Today, the key is to allow children

**P.I.A.G.E.T. stresses multi-dimensional, rather than rote, learning of concepts such as primary colors, single-digit addition and the calendar."**

— Thomas D. Yawkey  
 professor of curriculum and instruction  
 College of Education

of immigrants to identify with the mainstream society while understanding that their own culture is important too. This is the whole purpose of the Promoting Intellectual Adaptation (P.I.A.G.E.T.) Experimental Transforming (P.I.A.G.E.T.) program.

Named after the Swiss psychologist Jean Piaget, P.I.A.G.E.T. is a federally funded demonstration project for young, linguistically diverse children and children from different cultures, ages 1 to 8. Since 1987, P.I.A.G.E.T. has educated more than 2,000 parents, 2,000 culturally and linguistically different children, and more than 200 teachers and facilitators in more than 40 different locations nationwide.

Dr. Yawkey, along with Iris Sanchez-Cintrón, is co-director of the P.I.A.G.E.T. program, and Kristen Falls is national disseminator in the Bethlehem School District.

"P.I.A.G.E.T. is based on the salad bowl concept, instead of the traditional melting pot," Dr. Yawkey said. "It breaks away from the mainstream paradigm, since parents can come into the classroom and find an ambience that is Afghan or Cambodian. At the same time, P.I.A.G.E.T. stresses multi-dimensional, rather than rote, learning of concepts such as primary colors,

single-digit addition and the calendar."

All this makes school less overwhelming to immigrant children, which in turn speeds up the Americanization process, he said.

With the P.I.A.G.E.T. program, the typical class might be a mixture of "Anglo" and Hispanic children, Dr. Yawkey said. The teacher would read a story with a particular theme in English, then the children would break up into groups of five or six led by a native language facilitator, who would read the same story in Spanish.

The P.I.A.G.E.T. approach allows Hispanic children to use their Spanish in the classroom, while learning to speak and think in English. This allows them to validate their language, their culture, and themselves, Dr. Yawkey said.

— Paul A. Blau

## Obituaries

Richard A. Benefield, former manager of the Nittany Lion Inn, died April 10. He was 68.

Mr. Benefield was dedicated to the growth and development of hospitality education and especially to Penn State's program. He was a founder, past president and long-time director of the Penn State Hotel and Restaurant Society and earned the 1980 Hospitality Executive of the Year award.

The College of Human Development bestowed upon him the Alumni Recognition Award. In 1983, Penn State named him an Alumni Fellow and conferred to him the Distinguished Alumni Award. He was a member of the Mount Nittany Society and active in the Penn State Quarterback Club.

Mr. Benefield was presented with the Lifetime Achievement Award in the Pennsylvania Restaurant Association in fall 1994. The Educational Foundation of the National Restaurant Association recently named him to the College of Diplomates, the foundation's highest distinction.

On April 1, 1995, he received the Lifetime Achievement Award from the Penn State Hotel and Restaurant Society. Given only once before, this recognition is bestowed upon prominent hospitality executives who have made significant contributions to the hospitality industry throughout their careers.

Mr. Benefield earned a degree in civil engineering at Penn State and North Carolina State in the U.S. Army Specialized Training Program. Following a tour of duty in the Philippine Islands during World War II, he returned to State College to manage the Allencrest Tea Room. He received his B.S. degree in hotel administration in 1948 and pursued graduate courses in business administration and instruction.

al administration from 1950 to 1954. He was a member of Sigma Phi Epsilon.

In 1954 Mr. Benefield became the general manager of the Hotel Magee in Bloomsburg, which he managed for 35 years. Elected to the Hospitality Hall of Fame in 1976, he received the first Lawson A. Odde Award as Outstanding American Hotel Motel Association Director in 1977 and was given the Pennsylvania Award for Travel Excellence in 1978.

He was appointed to the Board of Governors for the Pennsylvania State System of Higher Education, was a member of the Republican State Committee from Columbia County, and belonged to the Pennsylvania Society.

In 1987, Mr. Benefield returned once more to State College to serve as special assistant Penn State's senior vice president for finance and operations/treasurer, until his retirement in 1993. During this period he also became general manager of the Nittany Lion Inn.

Memorial contributions may be made to The Richard A. Benefield Scholarship Fund, School of Hotel, Restaurant and Recreation Management, Office of University Development, 1010 Main, University Park, Pa. 16802.

Robert E. Dawson, former director of the Worthington Scranton Campus, died March 17.

A graduate of Scranton Technical High School and Dickinson College, he received his master's degree at Teachers College of Columbia University.

A career educator, he served as vice principal of both Scranton Technical and West Scranton high schools and as administrator of the Penn State Evening School from 1942 until being named director of the Scranton campus of Penn State in 1958.

He played a major role in the development of the campus, which in 1968 was officially named the Worthington Scranton Campus. He retired in 1971.

In 1976, he was honored with the naming of the campus classroom/administration building as the "Robert E. Dawson Building."

Alvin R. Grove, associate dean, Commonwealth Campuses and Continuing Education/professor of science, Eberly College of Science, from Sept. 1, 1941, until his retirement July 1, 1979, died March 16. He was 80.

Coleman Herpel, 83, founding director of Penn State Harrisburg, the Capitol Campus, died June 2. His affiliation with Penn State spanned nearly seven decades.

Mr. Herpel held his directorship at Capitol Campus from its opening in 1966 until his retirement in 1972 with emeritus rank. Under his guidance, the campus grew from its entering class of 18 students to an enrollment of 1,600 during his final year.

A native of McKeesport, he earned a B.A. in mathematics from Penn State in 1932, winning the H. Freeman Stecker Prize in mathematics. A year later, he earned his M.A. in the same discipline from Harvard, receiving the Rogers Prize in math and serving as president of the Harvard Mathematics Club.

Mr. Herpel joined the Penn State faculty in 1936 as an instructor in mathematics and German. Three years later, at the age of 28, he was named administrative head of the University's Hazleton Center, and also was promoted to assistant professor. In 1946, he was appointed assistant in administration at the Altoona Center and, in 1955, became administrative head of Penn State's Osgood Center. He was promoted to associate professor of mathematics in 1947.

In March 1976, Mr. Herpel was

called on retirement to serve as executive director for the University Center at Harrisburg, a higher education consortium consisting of Penn State and four other institutions. He stepped down from the post in 1978.

In 1977 he was awarded an honorary LL.D. degree from Elizabethtown College.

He was a Navy veteran of World War II and a Naval Reserve commander. Surviving are his wife, Margaret; two sons, John of Ohio and Karl of Texas; two daughters, Gretchen of Colorado and Anne of State College; and five grandchildren.

Ord H. Harris, maintenance worker, utility, Office of Physical Plant; from April 13, 1970 until retirement Jan. 1, 1986; died May 2 at the age of 72.

John Edward Olson, associate professor of mathematics, died March 23. He was 57.

He attended the United States Naval Academy, received his B.S. degree from The Illinois Institute of Technology in 1960 and his Ph.D. in mathematics from Ohio State University in 1967.

After a year at the Mathematics Research Center at the University of Wisconsin in Madison, he joined the Mathematics Department faculty in 1968.

His main mathematical interests were combinatorics and number theory, and he published a number of papers in those fields.

He was an avid swimmer and an enthusiastic gardener.

Arrangements for a memorial service will be announced.

Helen M. Raffensperger, student news section chief, The Smeal College of Business Administration, from August 27, 1956, until her retirement July 1, 1975; died April 30 at the age of 85.



# University student-athletes score on NCAA ranking

A national statistical study of the graduation rates of college student-athletes reveals that Penn State student-athletes graduate at a rate significantly higher than their peers at institutions across the country.

The annual survey was conducted by the National Collegiate Athletic Association.

The Penn State student-athlete graduation rate for the entering class of 1988-89 that earned degrees within a six-year time frame established by the NCAA for survey purposes was 77 percent. The graduation rate for the total undergraduate student population at the University Park Campus for the same time period was 79 percent.

The University averages are well above national norms for both students and student-athletes (see chart). The contrasting national rates for all institutions are 57 percent for students and 58 percent for student-athletes.

Penn State recently logged its second consecutive top 10 finish (8th) in the Sears Directors Cup standings, a year-long competition sponsored by Sears and the National Association of Collegiate Directors of Athletics to identify the nation's most successful overall athletic program.

In addition to a conference-leading 174 Academic All-Big Ten

selections, Penn State had a record four student-athletes chosen as NCAA postgraduate scholarship recipients and eight Academic All-America selections.

On the athletic side, Penn State won the combined NCAA championship in men's and women's fencing, finished No. 2 in the national wire service football polls while winning its first Big Ten and Rose Bowl championships and advanced teams to NCAA Final Four competition in men's and women's volleyball and women's lacrosse.

In the survey group, Penn State's female student-athletes edged their male counterparts with a rate of

78 percent to 77 percent for members of the men's athletic teams.

African/Black American student-athletes at Penn State once again outperformed their national peers by a substantial margin (see chart).

The women's basketball team posted a graduation rate of 100 percent, with all four of the scholarship players in the target group earning their undergraduate degrees.

Penn State's football and men's basketball players enjoyed continued success, posting a graduation rate of 70 percent and 80 percent rate respectively.

Nationwide, the football graduation rate was 54 percent and the men's basketball figure 42 percent.

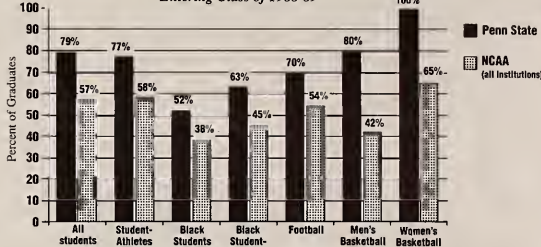
When the survey group is further expanded to consider student-athletes who remained in school to the conclusion of their eligibility, the Penn State rate soars to 91 percent for the five-year time frame 1983-84 through 1988-89. The average time to graduate for a student-athlete was 4.8 years, just slightly longer than the non-athlete student (4.4).

NCAA bylaws require the University to provide graduation rate information to recruits and their parents. The NCAA provides a compilation of the data to guidance offices and high school and two-year college coaches.

This is the fifth release of institutional graduation rates since national "right-to-know" legislation was passed four years ago.

## NCAA Graduation Rate Report

Entering Class of 1988-89



## Faculty/Staff Alerts

### Faculty needed

Faculty members interested in developing and teaching Elderhostel courses at Penn State during the spring and summer of 1996 should contact Roberta Moore, conference planner, in the Conferences and Institutes Office at 863-9966 or by e-mail at rmh8@de.psu.edu.

A national and international education program, Elderhostel is conducted by a network of more than 1,900 colleges and universities, museums, state and national parks, environmental education centers and other educational institutions in all 50 states and Canada, and more than 52 countries overseas. Elderhostel programs offer short-term academic experiences for people over the age of 55.

### Zero deductible collision coverage

Beginning July 1, Fleet Operations will offer its customers zero deductible collision coverage on fleet vehicles. Although the University currently provides \$500 deductible coverage per vehicle, for \$2 a day on daily rentals and \$15 a month on long-term assignments, fleet vehicle users can purchase zero deductible coverage. The additional coverage is optional and can be purchased at the time of vehicle pickup by checking the "zero deductible" box on the Checkout Confirmation Form. Long-term vehicle users can select this option by checking the "zero deductible" box on the Full-Time Vehicle Request Form. The charges for the additional coverage will be direct billed to the appropriate budget. For more information please contact Fleet Operations at 865-7571.

### Upcoming HRDC courses

The following courses are being offered by the Human Resource Development Center. To register for free courses, please call 865-8216. Registration for fee-

based courses requires a completed registration form, page five of the HRDC course catalog. Course descriptions for the following can also be found in the catalog:

■ Human Resources IBIS AIDA (Administrative Information Decision Aid) (ADC 007) Meets Tuesday, July 25, 1-4 p.m., in 116 Wagner Building; cost \$40.00.

■ IBIS Financial Forms (ADC 009) Meets Tuesday, July 25, 9 a.m.-noon, in 116 Wagner Building; cost \$40.00.

■ Introduction To Dos 6.1 (IBM 001) Meets Thursday, July 27, 9 a.m.-4 p.m., in 116 Wagner Building; cost \$90.00.

■ Wordperfect 6.0 Complete For DOS (IBM 005) Meets Monday, Wednesday and Friday, July 17, 19 and 21, 1-5 p.m., in 116 Wagner Building; cost \$150.00.

■ Introduction To Lotus (Windows 4.0) (IBM 009) Meets Tuesday and Thursday, July 18 and 20, 1-4:30 p.m., in 116 Wagner Building; cost \$90.00.

■ Introduction To IBIS (ADC 003) (MAC) Meets Thursday, Aug. 3, 9 a.m.-noon, in 117 Wagner Building; cost \$40.00.

■ Intermediate IBIS (ADC 004) (IBM) Meets Thursday, July 17, 1-4 p.m., in 116 Wagner Building; cost \$40.00.

■ Advanced Wordperfect 6.0 (IBM 014) Meets Tuesday, July 19, 9 a.m.-4 p.m. in 116 Wagner Building; cost \$90.00.

■ Word For Windows 6.0 Complete (IBM 006) Meets Monday, Tuesday and Thursday, Aug. 7, 8 and 10, from 8 a.m.-noon, in 116 Wagner Building; cost \$150.00.

■ Introduction To Windows 3.1 (IBM 003) Meets Wednesday and Friday, Aug. 9 and 11 from 9-11 a.m., in 116 Wagner Building; cost \$90.00.

### International postage rate increase

Effective July 9, all international postage rates will increase an average of 8 percent. The last international rate increase occurred in February 1991. The cost per piece is determined by the weight, destination and level of service. Some levels of service and weights have increased as much as 15 percent and others as little as 3 percent, according to Frank Sinclair, manager of University Mailing and Addressing Services. For a copy of the new rates contact Mailing Services at 865-9171 or e-mail FC52@oas.edu.

### Speakers Guide released

The Penn State DuBois Campus released its new 1995-96 Speakers Guide, a complete listing of campus faculty and staff who offer their services as guest speakers to clubs, organizations and special interest groups.

The Speakers Guide contains listings for 40 Penn State people from all areas of expertise and more than 120 program titles. Program formats include talks, demonstrations, slide shows and activities for both informative and entertainment purposes. Most DuBois Campus speakers offer their services free of charge.

To receive a free copy of the Speakers Guide, contact the DuBois Campus, at (814) 375-4775.

### Talks on adult relationships

The Penn State Harrisburg Women's Enrichment Center and the Penn State Downtown Center will hold a series of talks on adult relationships July 12, 19 and 26, from noon to 1 p.m., at the Penn State Downtown Center, 234 N. Third Street, Harrisburg. The talks are a continuing dialogue for women of diverse backgrounds. While all are open to the public, registration is required. To register, call the Penn State Downtown Center at (717) 783-0433.

## Central Pennsylvania Festival of the Arts

July 12-16

# Eight from University serve on Arts Festival board of directors

Penn State is involved in the Central Pennsylvania Festival of the Arts in some very visible ways. The Festival Shell is on Old Main Lawn. Artists' booths line the Mall and portions of Pollock and Burrows roads. The Visual Arts Building and HUB Galleries house exhibits. Performances are held in Schwab Auditorium. Penn State employees have a hand in the behind-the-scenes work as well. Eight of the 15 members of the Arts Festival Board of Directors are employed by the University.

Here's a brief look at who they are and what they do:

■ **William W. Asbury**, vice president for student affairs.

Length of service with the University: 10 years.

Length of service on Arts Festival board: one year.

Quote: "I decided to get involved with the Arts Festival board so I could better understand and influence the balance between keeping the festival focused on Central Pennsylvania, maintaining its ties to the local community, and at the same time maintaining the national appeal and draw of the festival."

**Thomas V. Gibson**, assistant vice president for auxiliary services.

Length of service with the University: 10 years.

Length of service with Arts Festival board: 3 years.

Quote: "The festival is a terrific opportunity to bring art to Central Pennsylvania to celebrate summer in State College. I enjoy helping to facilitate that."

■ **Donald W. Leslie**, associate dean for undergraduate studies, College of Arts and Architecture.

Length of service with the University: 24 years.

Length of service on Arts Festival board: three years.

## FESTIVAL FACTS

At last year's Arts Festival, University Housing and Food Services booths sold:

- 3,700 gallons of soda.
- more than 1,000 cookies on a stick.
- 3,400 hot dogs.
- enough taco salads to use 170 gallons of taco sauce.

■ The Creamery sold 3,750 gallons of ice cream, or about 50,000 cones.

Sources: Penn State Housing and Food Services, Penn State Creamery

Other Arts Festival involvement has been a volunteer for about a dozen years.

Quote: "The Arts Festival continues to solidify the bridge between town and gown, and gives us the opportunity to show the power and importance of the visual and performing arts to the larger community across the state."

■ **Fran E. Levin**, director of sales, Nittany Lion Inn.

Length of service with the University: one year.

Length of service with the Arts Festival board: two years.

Quote: "We're fortunate to have something that has this kind of national respect right here in State College. It's exciting to be part of it."

■ **James E. Stephenson**, director, School of Visual Arts, College of Arts and Architecture.

Length of service with the University: 27 years.

Length of service on Arts Festival board: 3 years.

■ Quote: "I became involved with the Arts Festival because I wanted to find out how the School of Visual Arts could better help make this town/gown effort even more successful."

■ **Peter B. Weiler**, assistant vice president and executive director, Alumni Association.

Length of service with the University: six years.

Length of service on Arts Festival board: nine months.

Quote: "The Arts Festival is an example of the positive relationship shared between the University and downtown business. It's a great event, and it's good culturally and economically for the county."

■ **David W. Will**, interim director, Center For the Performing Arts.

Length of service with the University: 20 years.

Length of service on Arts Festival board: four years as vice president for administration and planning.

Quote: "I'm glad I'm able to contribute to this ongoing summer celebration of the arts, for it truly is a town/gown effort."

■ **Lawrence W. Young Jr.**, director, Paul Robeson Cultural Center.

Length of service with the University: 13 years.

Length of service on Arts Festival board: three years, two as secretary.

Other Arts Festival involvement: was chairperson of performing arts committee for one year.

Quote: "Being on the festival board of directors gives me the opportunity to give something back in return for all the pleasure and enjoyment the festival has provided me over the years."

## Parking should not pose a problem for faculty, staff

Beginning July 12, an estimated 100,000 people will roll into State College to attend the 20th annual Central Pennsylvania Festival of the Arts, and roughly 5,000 of them will park on at some point during the five-day event.

Don't worry. Your faculty/staff parking space should be safe. No faculty/staff parking will be used for festival parking until the weekend. As is the case year-round, anyone parking in a faculty/staff lot without a valid permit will be ticketed.

"Everything is kept out in the commuter/student Lot 44 next to Beaver Stadium until Saturday and Sunday," staff assistant Kendra Lucas, who supervises the events staff that will organize festival parking, said.

Arts Festival patrons have never filled the 1,297-space lot, but if they do, an additional 700 spaces in adjacent Lot 44 South would open to handle the overflow.

Festival-goers have an additional incentive to park in Lot 44. The parking fee of \$5 per day or \$10 for the entire festival includes unlimited, free, express CATA bus service between Lot 44 and Schlow Library at the heart of the festival.

The closest faculty/staff lot to Lot 44 is the Orange-E lot next to Shields Building. Doug Holmes, parking office manager, doesn't recall any problems with festival-goers parking in that lot.

While Arts Festival-goers may not legally park in faculty/staff lots, University employees may use their valid parking permits to park in the Arts Festival lot.

"They've already paid to park on the grounds of The Pennsylvania State University. They do not have to pay a second time," Mr. Holmes said.

Mr. Holmes strongly recommends University employees walk on campus as much as possible during the Arts Festival.

"That would be good advice 365 days of the year, but especially so during the Arts Festival simply because they've got portions of Pollock and Burrows roads closed and College Avenue is virtually impassable because of the volume of traffic," Mr. Holmes said. "You're better off just walking."

## Be prepared for some shuttle delays

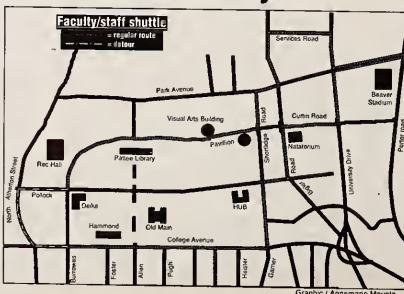
If you ride the faculty/staff shuttle, be prepared for some minor changes during the Arts Festival, which runs July 12 to 16.

Portions of Pollock and Burrows roads on campus will be closed to traffic so the shuttle must take a detour, Frank Gibboney, vehicle foreman for Fleet Services, said.

"Instead of running from College Avenue directly onto Burrows Road, the shuttle will go up College Avenue to Atherton Street. It will pass the bus station, turn onto Pollock Road at the main gate, then turn left onto Burrows to continue its route," Mr. Gibboney said.

Because the route is a bit longer, and because vehicle and pedestrian traffic congestion will slow the shuttle, commuters should be prepared for minor delays.

Neither the Campus Loop nor the Commuter Express routes are altered by the festival detours, although congestion may slow them down as well.



Graphic: Animaparc Mounts



## Research Park

continued from page 1

technologies that are used to develop new or improved products and processes, creates new jobs in Pennsylvania, retains existing jobs in the state, attracts investment capital to Pennsylvania-based companies or starts new manufacturing- or technology-based companies.

"Having Ben Franklin nearby is nice, because we've gone downstairs more than once to talk to people about things we've had questions on," said Elizabeth C. Kisenwether, president of Paragon. "It's been nice to have everything in one location."

Penn State students have also played a role in Paragon's success. The company employs electrical engineering graduate students, including Paul Brown, the company's lead hardware engineer. Mr. Brown came to Paragon through the student co-op program and plans to remain with Paragon after earning his master's degree. The firm has also used the RITO's marketing program for incubator businesses, which provides research by MBA students in the marketing option.

"Students get real hands-on experience working with a small company in a fledgling situation where they're struggling to identify with the marketplace and doing the kind of background research that's necessary to see who's interested in buying the product," Art Heim, director of the Industrial Research Office, said.

The relationship benefits the students as well as the businesses. "It rounds out their experience," said Mr. Heim. "Students are involved in the research that's going on here. They're going to be involved in the companies that take root. And they're involved in the projects that we have going on. Our students are more employable because they've got some experience that's relevant. So it relates very much to the basic academic role of the University."

### Unique relationship

There are successful business incubators all over Pennsylvania. The one in Research Park is unique because of its relationship to the University, the largest research enterprise in the state.

"The relationship between the incubator and RITO is a synergistic one," said Mr. Hallacher. "The incubator is a program to promote job creation in Centre County using the technology from this University."

The facility is also unusual because businesses have access to everything from licensing and technical support to state funding all under one roof.

"We have access to one of the major technology and research pools in the nation," said Mr. Heim. "We



Technology Center Building, located at 200 Innovation Blvd., in the Penn State Research Park, houses Penn State's Research and Technology Transfer Program offices on the first floor and the Centre County Business and Technology Center on the second floor.

Photo: Greg Grieco



Artist's rendering of 101 Innovation Blvd., the \$7.7 million building that is part of Phase II of the Research Park. Sketch courtesy of Morlok Vernon Group

have all the linkage mechanisms through the RITO that enable businesses to take advantage of that research resource. We have the business incubator, where small business can grow or new business can come in and get started. When you put that all together under one roof, you have a one-of-a-kind mix of research capability, technology transfer and enterprise development capability."

### Consolidation key to success

The RITO units used to be spread out all over campus. They were consolidated by the Board of Trustees to be better organized, and can now work more efficiently with each other and with new businesses to achieve the University's technology transfer goals.

"We're very proud that it all came together here. There was some real vision on the part of the University in putting all this together in one location," said Mr. Heim.

"I think the RITO's proximity to the incubator has made the companies mature more quickly," said Chuck Mong, president of the Chamber of Business and Industry of Centre County. "I think it's made them think

about long-range planning rather than 'What am I going to do tomorrow afternoon?' and made them think through a business plan structure."

### At capacity

The incubator is operating at capacity, with seven start-up companies and six commercial tenants occupying a total of 15,000 square feet of space. When Paragon moves out in December, its 1,500 square feet of space will be offered first to existing start-up tenants who have grown beyond their current space. Remaining space will then be available to a new company.

Paragon is on the verge of being the incubator's latest success story, following in the footsteps of former incubator tenant Restek Corp., which started with two or three employees and now employs close to 100, and others such as Keystone Scientific, Polymer Chemistry Innovation and Real Time Devices.

"Paragon's true test comes when they're out of the incubator five years," said Mr. Mong. "If they're still in business and continue to grow in the area of employees, then our mission will have been successful."

Our mission is to make individuals successful so that they generate jobs."

Kathy Fye, manager of the Business Development and Incubator Program, is looking forward to future expansion.

"We have people knocking at our door and some of the tenants here are expressing the need to expand and to grow. We've got to look, in their interests and the program's interests, at how we can accommodate them," Fye said.

### Looking ahead

Penn State is also planning for expansion, and a continued relationship with the incubator program.

"Our vision is to not only support the competitiveness and the development of a start-up firm by way of University capability and the small business incubator, but to grow that incubator company out and into the Research Park, where it can further develop into a full-fledged industry in this community," said Mr. Heim.

A private development group plans to break ground later this year on a multi-tenant facility, which will be the next step up from the incubator. The building will house three or four commercial companies that have a direct affiliation with University research. One tenant, STI International, already has an office in the park's Technology Center. The University's Board of Trustees will announce the remaining tenants at their meeting July 13-14.

"What might be a startup in the incubator eventually will be a larger company in that multi-tenant facility, and then someday, a stand-alone company out elsewhere in the Research Park. That's part of our vision," said Mr. Heim.

— Annemarie Mountz

## Appointments

### Four join Jordan Center team

In anticipation of the January 1996 opening of the Bryce Jordan Center on the University Park Campus, a staff of professionals has been hired to begin planning and scheduling events and overseeing day-to-day operations of the facility. Recent appointments include:

■ **Jill Baldi** — named revenue manager for the center. She is responsible for handling many of the business aspects of the center, in addition to the management of ticket sales for events.

Previously, Ms. Baldi served for seven years as the ticket manager for the Center for the Performing Arts at Penn State. There she received the award of Box Office of the Year in 1994, presented to her by Box Office Managers International.

Before joining the Center for the Performing Arts, she worked in the Penn State Athletic Ticket Office, where she assisted with student football ticket disbursement and student athletic tickets.

A native of Scranton, Pa., Ms. Baldi received schooling from the University of Scranton, University of Rochester, and Penn State.

■ **Chris Freedman** — appointed assistant general manager for the Bryce Jordan Center.

Mr. Freedman is responsible for the coordination of all details of contracted events, providing information, and for recruiting, hiring, training, supervising, and evaluating all stagehands, security, ushers, door guards, first aid and emergency personnel, ticket takers, sound and light technicians, and other event personnel.

Mr. Freedman comes to the center from the Savannah High School Arts Academy Magnet School in Savannah, Ga. While there, he served as the technical director for the school, which presented extensive theatrical works. He has also worked as a freelance set and lighting designer and motion picture on-set dressing and construction foreman. He designed sets for major motion picture projects, such as "Prince of Tides," "Robo Cop II" and "Paradise."

Previously, he worked as the program director for the Savannah Civic Center, in addition to serving as the house stage manager for acts such as Alabama, Kenny Rogers, Ice Capades, Prince, Sting and the Kinking Brothers Circus.

A native of Little Rock, Ark., he received a bachelor's degree in fine arts from Armstrong State College (Ga.).

■ **Robb Larson** — named promotions and marketing manager.

Mr. Larson is responsible for all aspects of marketing the Jordan Center including event and venue advertising, promotions and public relations.

Previously, he was assistant director of marketing for the Palace of Auburn Hills and the Pine Knob Music Theatre in Detroit. Mr. Larson has also served as the director of sales for the Detroit Pistons and manager of the Pistons/Palace Publications Department.

A native of Harrisburg, he received a bachelor's degree in communications and business from Susquehanna University and a master's degree in sports administration from Temple University.

■ **Patricia "Trish" Shaw** — appointed staff assistant for the Jordan Center. She is responsible for the organization of the Jordan Center's central office.

Her responsibilities include establishing procedures for booking function rooms, assuring personnel and payroll matters are kept within the regulations and standards of the University, and administering a departmental budget for the administration.

Ms. Shaw has been with Penn State for 12 years. Previously, she served as secretary to the associate vice-president for Business and Operations. She has also worked in the Management and Systems Engineering and Business Administration-Finance departments at the University.

### Arts and Architecture appoints two

The College of Arts and Architecture has filled two key positions, naming Dan Carter as head of the Department of Theatre Arts and artist-in-residence of Pennsylvania Center Stage, and Joe M. Jefcoat as director of the Center for the Performing Arts.

Mr. Carter is a professor of theatre, former chair of the Department of Theatre at Illinois State University and former producing director of the Illinois Shakespeare Festival. He assumed his new position on July 1.

Mr. Jefcoat, former vice president for arts and education of the Spirit Square Center for the Arts, Charlotte, N.C., will join the University on Aug. 1.

Mr. Carter had been chair of the Department of Theatre at Illinois State University and producing director of the Illinois Shakespeare Festival since 1993. Before that he was the associate dean for production at Florida State University School of Theatre. He is the producer for Summerland Productions, for which he directed the documentary video, "The Boys of Autumn."

Among his stage management credits are "Dames at Sea" for Lambs' Theatre on Broadway, "Come Blow Your Horn" for the Westside Theatre in New York City and "Harvey" for the Burt Reynolds Theatre.

A stage and screen actor, Mr. Carter appeared in the Theatre Company of the Boston production of "Richard III" with Al Pacino, and in "Butterflies are Free" with Farrah Fawcett and "Mister Roberts" with Martin Sheen, both at the Burt Reynolds Theatre. Among his screen credits are roles in the feature films "Sharkey's Machine," "Cannonball Run" and "Smoky and the Bandit II."

Mr. Carter holds a master's of fine arts in directing from Florida State University.

While at the Spirit Square, the largest multi-disciplinary cultural center in the Southeast, Mr. Jefcoat developed an extensive educational curriculum that encompassed a diverse program of classes, school and community based programs and professional artists' residencies. His responsibilities included programming for three theaters, seven galleries and nine studios, and developing corporate, foundation and government grants.

As an independent projects director, Mr. Jefcoat initiated and co-chaired North Carolina's first presenters conference and showcase. He evaluated dance presenters for the National Endowment for the Arts and developed and scheduled the North Carolina Dance Theatre's statewide performances for the 1995-96 season.

Mr. Jefcoat, who holds a master's of fine arts degree in arts administration from Florida State University, has served as president of the North Carolina Presenters Consortium; grant panelist for the Kentucky, New York, and North and South Carolina arts councils; and site evaluator for the national Endowment for the Arts. In 1994 he received the North Carolina Presenters Award for Service.

### Assistant director named

Jeane Dance will fill the new position of assistant director of alumni and special events for the College of Arts and Architecture.

Ms. Dance, who holds a master's degree in theatre arts from Penn State, joined the University's

Division of Development and University Relations in 1988 where she coordinated a feasibility study for a special campaign. She later was named the assistant director and then the director of the Office of Constituent Relations. For the past five years she has served as the assistant director of alumni and development for the College of Arts and Architecture,



Jeane Dance

directing development for the Palmer Museum of Art, Pennsylvania Center Stage and the Center for the Performing Arts. She also worked as the alumni coordinator for the college.

Ms. Dance also has served on the board of the Sight Loss Support Group of Central Pennsylvania, as president of the Friends of the Palmer Museum of Art and as a member

of the Arts and Architecture/Performing Arts Alumni Constituent Society Board. She holds memberships in Mortar Board Alumni, P.E.O. and Delta Gamma Fraternity Alumni. In 1993, she was awarded the Staff Excellence Award by the Arts and Architecture/Performing Arts Alumni Constituent Society.

### Associate editor comes on board

Annemarie Mountz has been appointed associate editor of *Intercom*. In this position, she is responsible for the layout and design of Penn State's faculty/staff newspaper, as well as editorial content. The *Intercom*, with a circulation of 23,000, is the primary communication vehicle for the University, published by the Department of Public Information.

In addition to her role with *Intercom*, Mrs. Mountz will also be responsible for writing press releases for the department and editing and designing various other internal publications.

Before accepting this position, Mrs. Mountz worked at the Centre Daily Times in State College.

During her nearly seven-year tenure there, she worked in the news, sports and features departments, first as a copy editor and page designer, and then as an assistant department head and acting department head. In her most recent role at the newspaper, Mrs. Mountz was a section editor in the features department.

Prior to working at the Centre Daily Times, she was a staff photographer for a New Jersey newspaper chain.

Mrs. Mountz earned a B.A. degree in journalism from Penn State, and has lived in the State College area for most of the last 15 years.



Annemarie Mountz



## Surgeon named 1995 Alumni Fellow

Dr. Richard G. Azizkhan has been selected as the 1995 Alumni Fellow of the College of Medicine. He will visit the College of Medicine Friday, Sept. 21.

Dr. Azizkhan received his undergraduate degree in biology in 1972 with high distinction from Dickinson College, and his M.D. from Penn State's College of Medicine in 1975. In 1983, he completed his general surgery residency at the University of Virginia Medical Center and his pediatric surgery training at Johns Hopkins University in 1985. Dr. Azizkhan is certified by the American Board of Surgery in general surgery, pediatric surgery and surgical critical care. He is the surgeon-in-chief and director of the Department of Pediatric Surgery at

The Children's Hospital of Buffalo, and a professor of surgery and pediatrics at the State University of New York-Buffalo. Dr. Azizkhan came to Buffalo from the University of North Carolina at Chapel Hill School of Medicine's Department of Surgery.

Over the years, Dr. Azizkhan has received many teaching awards and other honors including: Schering Award and the Smith Kline and French Fellowship award from the American College of Surgeons in 1982 and in 1986. In 1993 he received recognition in *Who's Who in Science and Engineering*. Some of the professional societies, committees and activities he is a part of are: the Association for Academic Surgery, American Pediatric Surgical Association, Association

of Pediatric Surgery Training Program Directors, Pediatric Oncology Group, Children's Cancer Study Group, Society of University Surgeons and American College of Surgeons.

His basic research has focused on endothelial cell biology, fetal disorders of lung growth and neonatal intestinal ischemia, while his clinical research activities have centered on pediatric oncology, reconstruction of complex congenital airway malformations, and the development of pediatric trauma systems and injury prevention programs.

Dr. Azizkhan resides at Amherst, New York, with his wife, Jane, and their children Richard, Kathryn and Christine.



**Work in progress**

The \$3 million project to convert a 15-acre site at University Park between the Natatorium and University Drive into three multi-purpose playing fields is proceeding, as evidenced by this photo taken by Greg Grieco. The fields could be available for use as early as fall. The structure in the foreground is a historically significant building, previously used for poultry sales, that will be preserved.

## Partnership cuts through red tape

The College of Engineering and the Conair Group of Pittsburgh have formed a comprehensive partnership designed to cut red tape in order to speed the transfer of University-developed technology to the factory floor.

The partnership, known as the Conair/Penn State Engineering Research Affiliation, also will provide a continuous supply of real-world industrial problems on which student engineers can cut their professional teeth in the classroom.

The affiliation is a prototype effort designed to channel industry collaboration and funding to the University for maximum impact and mutual benefit, according to Michael M. Reischman, engineering associate dean for graduate studies and research.

The affiliation achieves this through an administrative framework designed to cover all collaborative efforts, he said.

"Normal university procedures are not responsive enough for industry needs," Ray Kelly, Conair senior project manager, said.

"This affiliation is essentially a blanket agreement, with all guidelines in place, that allows us to cut through red tape."

Conair pays an annual fee to continue the affiliation and provides additional support for individual projects. The company also provides donated and loaned equipment and curricular support for engineering students, professors and classrooms.

The Conair Group consists of six companies which are the leading manufacturers of auxiliary equipment, systems, parts and service for the plastics industry.

Mr. Kelly, who is based at Conair Franklin, Pa., and Kathryn Lilly, assistant professor of mechanical engineering,

provide the key to keeping information flowing both ways. They are the affiliation liaisons who work together at both sites to identify areas of collaboration and keep joint projects on track.

Two affiliation projects are already under way with support from the Ben Franklin Technology Partnership Program.

In one, Timothy C. Ovaert, assistant professor of mechanical engineering, and Joseph C. Conway, professor of engineering science and mechanics, are working with Conair engineers to design and build a test apparatus to simulate high-speed pneumatic conveying.

In a second project, Conair is working with the Center for Electronic Design, Communications and Computing, to develop a customized communication system for material loaders.

## CONTINUING & DISTANCE EDUCATION

Penn State, Indiana University and the University of Wisconsin-Extension have joined with AT&T's Center for Excellence in Distance Learning to increase the effective use of distance education technologies by U.S. organizations.

The universities and AT&T have formed the University Alliance for Distance Education to work together to design and implement research and outreach projects to meet the growing use of distance education media as a way to address education and training needs in both the public and private sectors.

Gary E. Miller, assistant vice president for distance education with Penn State Continuing and Distance Education, is the University's representative on the University Alliance for Distance Education.

University Alliance members define distance learning as a learning environment in which the instructor and students are separated by geography or time, but connected by electronic or other media, such as video, audio, computer, audiographics and print.

The partners are collaborating on distance learning research and evaluation projects and exploring new delivery methods. Among the current projects are development of a set of 12 case studies of organizations that have adopted interactive distance learning technologies and production of a resource listing of distance applications and users.

Penn State's participation in the University Alliance is an outgrowth of its partnership with AT&T, established in 1994.

## Smeal College researchers rank No. 1 in productivity

A leading business journal says the management faculty of The Smeal College of Business Administration is the most productive in the field. According to an article published in the *Academy of Management News*, members of The Smeal College's Department of Management and Organization published more research in the prestigious *Academy of Management Journal* than scholars from 170 other business schools.

During the years analyzed, 171 college and universities were represented in 365 authorships in the journal. The ranking method used gives greater weight to first authors than to second authors, and so on, and credits authorship of research notes at half that of an article authorship.

Rounding off the top five rankings behind The Smeal College were New York University, Columbia University, the University of Michigan and Dartmouth College. The productivity analysis was done by Arthur G. Jago of the University of Missouri.

# The ARTS

AT PENN STATE

## Photography exhibition

Kim Fisher, humanities reference librarian at University Libraries, will hold an exhibition of his photographs in Pattee Library's East Corridor Gallery, July 11 through Aug. 6, on the University Park Campus.

Mr. Fisher has been making photographs for more than 20 years and is especially interested in nature photography. He also likes to find scenes and situations that may emphasize designs or patterns found in the natural world. One of his photos, "Wizard of Oz Characters in Oak Hall," will be included in the upcoming book, *A Day in the Life of State College*.

## Exhibit commemorates World War II veterans

An exhibit titled "The Veterans Return to Campus, 1944-50" is on display in the University Archives/Penn State Room and main lobby of Pattee Library through July 30.

The exhibit commemorates the vast changes that occurred on campus as the University dealt with waves of new students who were veterans of World War II. The increase in students was due to the Servicemen's Readjustment Act of 1944, also called the "G.I. Bill of Rights," which gave veterans the opportunity to attend college by providing them tuition, books, supplies and a living stipend.

The population grew so rapidly during this time period that students were housed in trailers and barracks, and temporary classroom buildings had to be used until permanent structures could be erected. Nearly 14,000 veterans attended Penn State under the act, at one point representing 57 percent of the student body.

## "Psalms" at the Palmer

"Psalms," an exhibition of non-objective paintings by West Coast painter John McDonough, continues through Sunday, Oct. 1, at the Palmer Museum of Art on the University Park Campus. Mr. McDonough's hand-painted multiples explore human spirituality through the formal manipulation of color and line. For this exhibition, Mr. McDonough created a series of 20 acrylic paintings of the Hebrew

Psalms.

This exhibition at Penn State is the first East Coast exhibition for Mr. McDonough, whose work is included in the collections of the Israel Museum in Jerusalem, the Palm Springs Desert Museum and many private West Coast collections.

The Palmer Museum of Art is open Tuesday through Saturday from 10 a.m. to 4:30 p.m.; noon to 4 p.m. Sunday. The museum will be closed July 4. For more information, please call (814) 865-7672.

## 20th Century Photographs

"Photographs from the Permanent Collection," an exhibition of 20 photographs from the Penn State Palmer Museum of Art collection, is on display through Sunday, Jan. 14.

Photographs were among the first items acquired by the museum in early 1969. For the most part the images are from the 20th century, with the notable exception of an early albumen print by England's leading Victorian photographer, Julia Margaret Cameron. Among the outstanding 20th-century photographs are rare prints by Pennsylvania painter and photographer Charles Sheeler; a photograph from the early art and photography portfolio, "Camera Work" by Alfred Stieglitz; the often reproduced photograph of children playing in the ruins of a Spanish building by Henri Cartier-Bresson; and the color photographs of Eliot Porter.

In addition, selections from portfolios by Manuel Alvarez Bravo, Joel Meyerowitz, Neal Slavin and Steve McCurry will be on exhibition.

## "Remnants of Life"

Jennifer Garringer will hold an exhibition of her photographs, "Remnants of Life," in Pattee Library's West Lobby Gallery on the University Park Campus through July 16.

Ms. Garringer photographs "disarded centers of objects that were at one time the center of people's lives, and are now the remnants of life."

Ms. Garringer graduated this spring from Penn State with a bachelor of arts degree with a concentration in photography and a minor in art history.



## "Images '95"

"Near Independence Pass, Colorado," a photograph by Palmore Clarke, is included in "Images '95," the fine arts exhibition of the Central Pennsylvania Festival of the Arts, now open in the HUB Formal Gallery on the University Park Campus.

## "Images '95"

"Images '95," the fine arts exhibition of the Central Pennsylvania Festival of the Arts, is on display through July 21 in the Formal Gallery and Browning Gallery of the Hetzel Union Building on the University Park Campus.

Now in its seventh year, the exhibition includes selected paintings, drawings, prints, photographs and sculpture created in 1994 or 1995 by 77 artists from the Mid-Atlantic region. More than 87 works were selected for the exhibition from more than 800 submitted pieces.

The exhibition is free to the public. Gallery hours are noon to 8 p.m. Tuesdays through Thursdays, and noon to 4 p.m. Fridays and Saturdays. During the festival, which runs July 12-16, these hours will be in effect: noon to 8 p.m. Tuesday through Thursday, July 11-13; 10 a.m.-6 p.m. Friday and Saturday, July 14 and 15; and noon to 5 p.m. Sunday, July 16.

## Music at Penn's Woods

Music at Penn's Woods, Penn State's summer classical music festival, continues its 10th anniversary season. All concerts will be presented in Eisenhower Auditorium on the University Park Campus.

The Saturday, July 8, concert at 7:30 p.m. features Wagner's Prelude to Die Meistersinger von Nürnberg, Mahler's Lieder eines fahrenden Gesellen, and Schubert's Symphony No. 9 in C Major. Barbara Yahr, who just completed a four-year appointment as assistant conductor to Lorin Maazel and the Pittsburgh Symphony Orchestra, will conduct the concert. Mezzo-soprano Janice

Wilson will be featured as soloist for the Mahler piece. She is a regional finalist of the Metropolitan Opera auditions, and has appeared with the Pittsburgh, Altoona, Johnstown and Westmoreland symphonies. In April 1994, she debuted at Carnegie Hall with accompanist Robert J. Long and the Pennsylvania Quintet.

The final concert of the season, at 7:30 p.m. July 15, will feature Verdi's Overture to "La Forza del Destino," Richard Strauss' Duo: Concertino and Tchaikovsky's Symphony No. 5 in E minor. Pu-Qu Jiang will conduct the concert. Bassoonist Daryl Durran and clarinetist Smith Toulson, both Penn State School of Music faculty members, will be featured soloists for the Strauss work.

Music at Penn's Woods also features free chamber concerts on Friday evenings and Sunday afternoons. This year's concerts are scheduled for 7:30 p.m. July 7 and July 14, and 3 p.m. July 9. The July 14 chamber concert will feature "Santa Rosalia," a cantata by Bruce Tinkley and Jason Kline. Musicians scheduled to perform include Penn State School of Music faculty members Susan Boardman, Susanne Roy, Richard Kennedy, Norman Spivey, Eleanor Duncan Armstrong, Timothy Hurt, Smith Toulson, Daryl Durran, Lisa Bontrager and Lane Miller.

For tickets or more information, contact the Eisenhower Ticket Center at (814) 863-0255. Outside the local calling area, phone (800)ARTS-TIX.

## "Sweeney Todd" at State Stage

Pennsylvania Centre Stage presents "Sweeney Todd" as its third show of the summer. The darkly comic musical plays in The Playhouse on the University Park Campus at 8 p.m. today through July 15; matinees are 2 p.m. on July 8 and 15.

The musical won eight Tony Awards, including best musical. Richard Stallford, who directed last year's Centre Stage production of "Evita," returns to direct "Sweeney Todd."

Tickets for the show are \$24 for non-students; \$21 for students; matinees are \$21 and \$18. For tickets or more information, contact the Eisenhower Ticket Center at (814)863-0255. Outside the local calling area, phone (800)ARTS-TIX. All major credit cards are accepted.

## Berks Campus

Shoestring Productions will present an updated version of Shakespeare's "Twelfth Night" at the Berks Campus at 8 p.m. today through Saturday and July 13-15. The play is the second production of Berks Summer Theatre.

For reservations phone the box office at (610) 320-4850. All seats are \$12.



# UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, July 6**  
Music at Noon, Fisher Plaza. "Easterly Chamber Players" (Classical).  
Ice Skating "Divisions," 8 p.m., Penn State Ice Rink. \$1 w/coupon, \$2.25 w/o, includes skate rental.

**Friday, July 7**  
■ Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Power, Prestige, and Wealth."  
Ice Cream "Divisions," 7 p.m., Creamery Patio. "Swinging Dixie" (Dixieland).  
Music at Penn's Woods Chamber Concert, 7:30 p.m., Eisenhower Aud. Admission free.

**Saturday, July 8**  
Music at Penn's Woods Orchestra Concert, 7:30 p.m., Eisenhower Aud. For ticket information call 863-0255.

**Sunday, July 9**  
Music at Penn's Woods Chamber Concert, 3 p.m., Eisenhower Aud. Admission free.  
Pennsylvania Centre Stage, 8 p.m., The Playhouse. "Sweeney Todd." Through July 15. Call 863-0255.

**Monday, July 10**  
Aerobics "Divisions," 8:30 p.m., White Bldg. Gym. Admission free.

**Wednesday, July 12**  
Central Pennsylvania Festival of the Arts, through July 16.  
HUB Lawn Film, dusk. "Maverick." Admission free.  
Pennsylvania Centre Stage, Pavilion Theatre. "You Can't Take It With You." Through July 29. Call 863-0255.

**Friday, July 14**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Realms."  
Music at Penn's Woods Chamber Concert, 7:30 p.m., Eisenhower Aud. Admission free.

**Saturday, July 15**  
Music at Penn's Woods Orchestra Concert, 7:30 p.m., Eisenhower Aud. For tickets call 863-0255.

**Monday, July 17**  
Aerobics "Divisions," 8:30 p.m., White Bldg. Gym. Admission free.

**Tuesday, July 18**  
Music at Noon, Fisher Plaza. "Appalachian Spring" (folk, classical).

**Wednesday, July 19**  
HUB Lawn Film, dusk. "Love and Death." Admission free.

**Nights at the Opera, 7:30 p.m., Recital Hall, Music Bldg.** "Oello," presented by Bruce Trinkle.

HUB "Distinctive Styles" Concert, 8 p.m., HUB Fishbowl. "Sin City Band" (country). Admission is free.

**Thursday, July 20**  
Music at Noon, Fisher Plaza. "Safe Sex" (jazz).

**Friday, July 21**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: The Spirit World." Ice Cream "Divisions," 7 p.m., Creamery Patio. "Tarnished Six" (dixieland).

## SEMINARS

**Thursday, July 6**  
Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Joseph Schaffer, speaker.

**Thursday, July 20**  
Summer Seminar, 7:30 p.m., Penn State Room, Nittany Lion Inn. Curt Cutler on "Detecting Gravitational Waves."

## CONFERENCES

**Thursday, July 6**  
Minority Health Careers Institute, 30 attendees, University Residence Halls. Through July 28.



"Sweeney Todd" plays in The Playhouse on the University Park Campus at 8 p.m. today through July 15; matinees are 2 p.m. on July 8 and 15.

Swimming Camp III, 35 attendees, University Residence Halls.

Football Camp III, 1,000 attendees, University Residence Halls.

Golf Camp III, 40 attendees, University Residence Halls.

Wrestling Camp I, 72 attendees, University Residence Halls.

Foods and Nutrition Update, 15 attendees, The Penn State Scanticon. Through July 7.

Baseball Camp II, 55 attendees, University Residence Halls. Through July 9.

**Sunday, July 9**  
Men's Soccer Camp I, 100 attendees, University Residence Halls. Through July 12.

BEST Summer Program, 30 attendees, University Residence Halls. Through Aug. 5.

Girls' Volleyball Camp II, 99 attendees, University Residence Halls. Through July 13.

Lacrosse Camp I, 110 attendees, University Residence Halls. Through July 13.

PGA Junior Golf Academy I, 33 attendees, University Residence Halls. Through July 13.

School Food Service, 142 attendees, University Residence Halls. Through July 13.

Softball Camp I, 60 attendees, University Residence Halls. Through July 13.

Tennis Camp III, 20 attendees, University Residence Halls. Through July 13.

Advanced Ice Hockey, 88 attendees, University Residence Halls. Through July 14.

Boys' Volleyball Camp I, 75 attendees, University Residence Halls. Through July 14.

Diving Camp III, 35 attendees, University Residence Halls. Through July 14.

Track and Field Camp, 90 attendees, University Residence Halls. Through July 20.

Computer Elderhostel, 30 attendees, University Residence Halls. Through July 15.

Elderhostel 5: The Issues We Face, 30 attendees, University Residence Halls. Through July 15.

Swimming Camp, 45 attendees.

Through July 13.

Child Development, Learning, and Early Education, 15 attendees, The Penn State Scanticon. Through July 14.

Electrical Systems and Maintenance, 26 attendees, University Residence Halls. Through July 14.

**Monday, July 10**  
Swimming Day Camp, 45 attendees.

Through July 13.

Designing and Managing a Distance Education System, 250 attendees, The Penn State Scanticon. Through July 12.

Wednesday, July 12

Rhetoric and Composition, 235 attendees, University Residence Halls. Through July 15.

**Thursday, July 13**  
The Art of Appraisal, 30 attendees, The Penn State Scanticon. Through July 14.

**Friday, July 14**  
Baseball Specialty Camp, 50 attendees, University Residence Halls. Through July 15.

**Sunday, July 16**  
Field Hockey Camp I, 110 attendees, University Residence Halls. Through July 20.

Lacrosse Camp II, 110 attendees, University Residence Halls. Through July 20.

PGA Junior Golf Academy II, 33 attendees, University Residence Halls. Through July 20.

Softball Camp II, 60 attendees, University Residence Halls. Through July 20.

Alumni College, 50 attendees, University Residence Halls. Through July 21.

Boys' Volleyball Camp II, 75 attendees, University Residence Halls. Through July 21.

Ice Hockey Camp I, 100 attendees, University Residence Halls. Through July 21.

Fred Wang's Elderhostel, 82 attendees, University Residence Halls. Through July 22.

High School Band Camp, 85 attendees, University Residence Halls. Through July 22.

Second Mile Summer Challenge Camp, 225 attendees, University Residence Halls. Through Aug. 8.

**Monday, July 17**  
Federation of Women's Clubs, 281 attendees, The Penn State Scanticon. Through July 18.

Bolier/HAVO Water Treatment, 26 attendees, University Residence Halls. Through July 21.

Federal Energy Regulatory Commission, 25 attendees, The Penn State Scanticon. Through July 21.

Teaching Limited-English-Speaking Adult Learners, 40 attendees, The Penn State Scanticon. Through July 21.

Theories and Issues in Aging, 15 attendees, The Penn State Scanticon. Through July 21.

**Tuesday, July 18**  
Cheerleading Camp I, 480 attendees, University Residence Halls. Through July 21.

**Friday, July 21**  
Nutrition and Exercise, 70 attendees, The Penn State Scanticon. Through July 23.

**Saturday, July 22**  
Men's Soccer Camp III, 100 attendees, University Residence Halls. Through July 26.

**Sunday, July 23**  
Cheerleading Camp II, 480 attendees, University Residence Halls. Through July 26.

Field Hockey Camp II, 110 attendees, University Residence Halls. Through July 27.

Wrestling Camp II, 72 attendees, University Residence Halls. Through July 27.

Ag in the Classroom, 100 attendees.

Through July 28.

Ice Hockey Camp II, 100 attendees, University Residence Halls. Through July 28.

Intensive English Communication Program—Nihon University Program, 50 attendees, University Residence Halls. Through Aug. 19.

**EXHIBITS**  
HUB Formal and Browsing Gallery:

"Images '95," selected paintings, drawings, prints, photographs and sculpture created in 1994 and 1995 by 77 artists from the Mid-Atlantic region, through July 21.

Petite Museum  
"Gift to Celebrate the New Museum," through July 16.

■ "Dreamtime: Australian Aboriginal Art from the Collection of John W. Kluge," through July 16.

"Psalms," non-objective paintings by West Coast painter John McDonough, through Oct. 1.

"Photographs from the Permanent Collection," 20 photographs from the Paimar Art Collection, through Jan. 14, 1996.

**Petite**  
Main Lobby:  
"The Veterans Return to Campus, 1944-50," commemorates the changes that occurred on campus as the University dealt with new students who were veterans of World War II, through July 30.

**West Lobby Gallery:**  
"Remnants of Life," photographs by Jennifer Garringer, through July 16.

**Zoller Gallery:**  
"Crafts National '95," ceramics, fibers, glass, metals, wood, paper, and mixed media through July 23.

■ Reflects an international perspective

## Awards

# Engineering faculty honored

Six engineering faculty members received teaching awards from the Penn State Engineering Society, and three were cited for excellence in advising.

H. Joseph Sommer III, professor of mechanical engineering, and Lee Coraor, professor of computer science and engineering, received PSES Premier Teaching Awards.

Dr. Sommer is a founding member of ECSEL, the Engineering Coalition of Schools for Excellence in Engineering and Leadership, a group nationally recognized for its active learning approach to engineering education. He was also recognized for implementing active learning in his classrooms and as a mentor in education and instruction to new faculty.

Dr. Coraor was recognized as a role model and motivator whose dynamic and versatile teaching style stimulates discussion and interaction. One area of excellence was the transformation of a difficult microprocessor design course that nearly every computer engineering major now elects to take.

Receiving PSES Outstanding Teaching Awards are: Ali Borhan, assistant professor of chemical engineering; Joseph P. Cusumano, associate professor of engineering science and mechanics; John Schneider, instructor in engineering at the Penn State DuBois Campus; and Gita Talmage, assistant professor of mechanical engineering.

The three faculty who received PSES Outstanding Advising Awards are: Wes Grebski, Arthur C. Miller and Richard Snyder.

Mr. Grebski, instructor in engineering at the Penn State Hazleton Campus, was recognized for exceptional dedication to advising and accessibility to his students. He is the recipient



H. Joseph Sommer III



Lee Coraor



Ali Borhan



Joseph P. Cusumano



John Schneider



Gita Talmage



Wes Grebski



Arthur C. Miller



Richard Snyder

of the George Bobby Memorial Award for Advising Excellence from the Hazleton Campus.

Dr. Miller was recognized as an adviser and advocate for undergraduate and graduate students, helping them procure scholarships, internships and co-op opportunities. He is also the faculty

adviser to the American Society of Civil Engineers and the Civil Engineering Honor Society. Dr. Miller also received the 1995 Lawrence Perez Memorial Student Advocate Award, as well as Penn State's Excellence in Advising Award — making him the only engineering

faculty member to receive all three awards in one year.

Mr. Snyder, instructor in engineering at Penn State Altoona, was recognized for his ability to motivate and inspire traditional as well as returning adult students and advise effectively on academic and career decisions.

## Two receive Distinction in Humanities award

Gary W. Gallagher, professor of American history, and Thomas A. Hale, professor of African, French and comparative literature, received the Class of 1933—Distinction in the Humanities Award for 1995.

Dr. Gallagher, who has served as head of the Department of History since 1991, is the author of, or editor and contributor to, 11 books. He was a founder and served as president from 1987-1994 of the Association for the Preservation of Civil War Sites, a national organization with more than 6,500 members, and is a trustee of the organization. From 1991 to 1994 he was a member of the board of trustees of Civil War Trust. He is an adviser for Arts and Entertainment Network's series "Civil War Journal," and has appeared in 12 of its episodes.

Professor Hale is noted for the wide range of his scholarly work in African and Afro-Caribbean literatures. He has been a pioneer in the United States in achieving recognition for literatures of the African diaspora, from the writings of the Martinican author Aime Cesaire to the West African epic. His bibliographic study of Cesaire, *Les Ecrits d'Aime Cesaire* (1978), serves as the basic research tool for Cesaire researchers. Dr. Hale has served as a founder and past president of the African Literature Association and as chair of the Association of African Studies Programs. He was a Fulbright senior lecturer at the University of Niamey (Niger). He is assistant editor of the *French Review*, associate editor of *Comparative Literature Studies* and head of the African section of the Modern Language Association Bibliography.

In recognition of his efforts on behalf of the international mission of Penn State, Dr. Hale was the first faculty recipient of the University's International Achievement Award.

## Two faculty members earn grants from Roy C. Buck Fund

Michael Comiskey, assistant professor of political science at the Penn State Fayette Campus, and Alita Kelly, assistant professor of Spanish and French at the Penn State Delaware County Campus, have been recognized for their research.

Dr. Comiskey received the 1995 Roy C. Buck Award in the Social Sciences and Dr. Kelly received a grant

from the Roy C. Buck Fund of the College of the Liberal Arts.

The award, established by Dr. Buck, professor emeritus of sociology and social science, is presented to an untenured faculty member at a Penn State campus who has written the best social or behavioral science research paper published in a journal during the previous year, with preference

given to papers on a topic related to multicultural diversity.

The fund, also established by Dr. Buck, assists humanities faculty working toward tenure to initiate research and other scholarly work, preferably on a topic related to minority culture.

Dr. Comiskey's article, "The Real and Imagined Consequences of Sena-

torial Consent to Silent Supreme Court Nominees," was published in the *Journal of Law and Politics* (Winter 1995).

Dr. Kelly's grant is for continuing work on a publication, *Peru: The New Peru*, in which she is coeditor and contributor of translations and a critical essay.



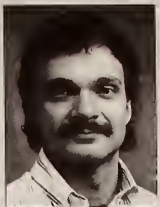
## Awards

# York Campus coaches honored

Penn State York Campus tennis Coach Jim Crivaro and soccer Coach George Miller have been named "Coaches of the Year" in the Commonwealth Campus Athletic Conference (CCAC). Both men were recognized by their peers from among coaches in the University's Commonwealth Educational System for their outstanding contributions to their teams and the University.

Both men led their teams to conference championships this season, the first time in campus history tennis and soccer have taken conference titles.

Mr. Crivaro became head tennis coach at Penn



**Jim Crivaro**

State York in 1990 when he joined the campus faculty as an instructor in exercise and sport science. In addition, he is the athletic director, a position he has held



**George Miller**

since 1991, and a member of the National Association of Collegiate Directors of Athletics. He holds a master's degree in physical education from West Chester

University and a bachelor's degree in physical education from Lock Haven University.

Mr. Miller became head soccer coach at Penn State York in 1983. He also directs the campus' summer youth soccer camps and is well known in the community for his work in youth soccer. He is a teacher of students with special needs in the York City School District and a member of the National Coaches' Association. He holds a bachelor's degree in elementary and special education from Millersville University.

## Assistant professor earns grant for education study

David Post, assistant professor of education, is principal investigator of a comparative study of the consequences of education and family welfare policies in Latin America, titled "Family Welfare and Children's Schooling: A Study of Chile, Peru, and Mexico."

With co-investigators Leif Jensen, David Ambler and Dennis Hogan, the project will run three years with an award of \$269,350. The Spencer Foundation will fund the travel and research aspects of the project. To finance doctoral study by six students, the Ford Foundation has approved \$300,000 over four years.

The grant from Spencer is equal in size to the total research funding Spencer has provided to all units at Penn State since 1984. And, since the late 1950s, the Ford Foundation has allocated a total of \$3 million to Penn State. In addition, Dr. Post is a finalist for an American Republics Research Fulbright Award.

## Director of sports nutrition wins achievement award

Kristine Clark, director of sports nutrition, has been named the recipient of the 1995 Achievement Award from the Sports and Cardiovascular Nutritionists (SCAN) association. The national award honors a member who has made outstanding contributions within the sports and cardiovascular specialty area to the American Dietetic Association, as well as to their local community.



**Kristine Clark**

Ms. Clark, past-chair of SCAN, counsels 1,300 athletes from 29 varsity teams, advises the athletic department on weight control and develops a wide range of nutrition education programs. An active member of the American Dietetic Association since 1978, Ms. Clark

serves as liaison coordinator between SCAN and the American College of Sports Medicine and is also a fellow of ACSM. She has been instrumental in forming a plan for certifying sports nutritionists and is active in the Society for Nutrition Education and the National Athletic Trainers Association.

In addition, she served as one of eight panelists for the National Academy of Sciences Consensus Conference on Eating Disorders, was one of seven panelists at the International Soccer and Nutrition Consensus Conference in Zurich, and was recently selected as the nutrition expert for the U.S. Women's Field Hockey Team.

## Professor wins award for work in psychology

Herschel W. Leibowitz, recently retired Evan Pugh Professor of psychology, received the Distinguished Achievement Award for the Applications of Psychology from the American Psychological Association (APA). He was cited for his approach to the integration of psychological science and its applications in a broad spectrum of fields.

Before coming to Penn State in 1962, Dr. Leibowitz was on the faculty of the University of Wisconsin, Madison, from 1951 to 1960. In 1960 he moved to IBM, where he was a human factors psychologist in the Federal Systems Division and the IBM Research Center. He was named an Evan Pugh Professor at Penn State in 1977.

He also has taught at MIT and the Universities of Maryland and Florida, has served as a visiting scientist in Japan, and has done research at the Institute for Perception in The Netherlands; University of California, Berkeley; University of Freiburg, Germany; NASA Ames Research Center; The University of Michigan Transportation Research Institute; and the Center for Advance Study in the Behavioral Sciences at Stanford University.

His public service includes membership on many governmental research advisory boards, including the National Science Foundation, the National Institutes of Health and the National Research Council. He has performed special projects with the Institute for Defense Analysis and the Department of Defense, the National Research Council, NATO, the U.S.-Japan Cooperative Science Program, the Max Planck Society, and the U.S. Olympic Committee.

The APA award, established in 1973, is presented to a person who has made distinguished theoretical or empirical advances leading to the understanding or amelioration of important practical problems.

# Penn College honors distinguished faculty members

Three faculty members at the Pennsylvania College of Technology have received the college's 1995 Distinguished Teaching Awards.

The highest level of college recognition for faculty, the "Master Teacher Award," was presented to James E. Doebler, assistant professor of aviation. Receiving "Excellence in Teaching Awards" were Marc E. Bridgens, assistant professor of plumbing/heating, ventilation and air conditioning technology, and Edwin G. Owens, assistant professor of mathematics.

Mr. Doebler joined the college in 1980 as an instructor of aviation. In 1994, he was promoted to assistant professor.

He holds a certificate in aircraft mechanic, powerplant and airframe from Penn College's predecessor, Williamsport Area Community College. He also earned an associate of applied science degree in technology studies from the college in 1984. He holds a Federal Aviation Administration (FAA) airframe and powerplant license, along with FAA inspection authorization. He is one of only 12 FAA-designated

mechanic examiners in the state.

Mr. Bridgens joined Penn College as an assistant professor in 1990. He earned a bachelor of science degree in education from Lock Haven University in 1977, and previously has worked as plant engineer at Soldiers & Sailors Memorial Hospital, Wellsboro, and as an instructor of heating, cooling and plumbing at the Tioga County Area Vocational-Technical School (AVTS).

Mr. Owens joined Penn College as an assistant professor in 1990. He earned a bachelor of science degree in

mathematics from Lock Haven University in 1974 and a master of science degree in math education, curriculum and instruction from Penn State in 1978.

Mr. Owens received certification in educational administration from Penn State in 1985 and is currently employed in a total of education program at the University.

The Distinguished Teaching Awards are sponsored by the Penn College Foundation. Since 1982, 41 full-time faculty members have been honored for excellence in teaching and outstanding service to students.

## Lectures

### Four-day seminar on Russian literary theorist to be held

The Summer Seminar in Theory and Culture, a four-day event sponsored by the Department of English and the Office of Summer Sessions, will feature four public lectures on the work of Russian literary theorist Mikhail Bakhtin.

"Working with Bakhtin Today," scheduled for July 25-29 at the Days Inn in State College, offers an opportunity for participants to engage with current work on the Bakhtin School.

The four lectures, which begin at 8 p.m., follow:

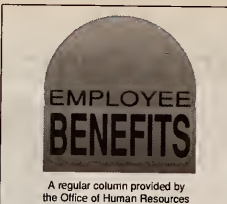
■ **July 25** — Caryl Emerson, professor of Russian at Princeton University, will speak on "Bakhtin at 100: Then and Now."

■ **July 26** — Laurie Anne Finke, associate professor of English and director of Women and Gender Studies at Kenyon College, will discuss "The Dialogic Imagination and the Analytics of Power: Feminism and Bakhtin."

■ **July 27** — Caryl Emerson will give an informal report on the Moscow conference on Bakhtin.

■ **July 28** — Don Bialostoksy, professor of English at Penn State, will speak on "Dialogues and the Liberal Arts Today."

For more information about the seminar or to register, contact Wendell Harris by telephone at (814) 865-0495 or fax (814) 865-8349.



A regular column provided by the Office of Human Resources

### HealthAmerica provides answers

Following are frequently asked questions and answers about HealthAmerica's HMO:

■ **What are the HMO benefits for maternity care?**

Your routine prenatal office visits, routine lab work and delivery services are covered at 100 percent when you use a participating HealthAmerica physician. If you plan to see someone other than your PCP for your maternity care, your PCP must authorize the referral to the participating OB/GYN physician(s). Routine maternity stays in the hospital are usually 24-48 hours; cesarean sections without complication are generally three-day stays. When an extended hospital stay is medically necessary, full hospitalization is covered for mother and baby.

■ **What prescription coverage options do I have under the HMO?**

You have two prescription coverage options:

1. HealthAmerica's 50 percent copay plan, which entitles the covered individual to 50 percent coverage for all covered prescriptions at an NPA (National Prescription Administrators) participating pharmacy.

2. Penn State's Maintenance Prescription Drug Plan (MPDP). Under the MPDP, you have coverage for those maintenance drugs available through the Ritenour Pharmacy or The Hershey Medical Center Pharmacy. Your coverage is limited to only maintenance drugs, therefore, short-term medications, like antibiotics, are not reimbursable.

■ **Who can I call if I have a benefit or a claim question?**

Call HealthAmerica's member services department at 800-366-6433 or (814)231-8970.

### Islamic culture and values is focus of Dec. 1-3 conference

In an effort to better understand Islamic values and institutions and their effect on ethics, public policy and economic development, a conference focusing on "Science, Technology and Islamic Values" is set for Dec. 1-3 at The Penn State Scenicton. The conference should help both Muslims and non-Muslims learn about the relationship between Islam and development.

Through presentation, panel discussion and case studies, participants of the conference will examine scientific development, technology transfer and Islamic values that are mutual to economic development and growth in the 21st century. A look at the gains and losses of bridging two cultures, as well as how Muslim societies can best organize to promote growth and modernization also will be included.

Two renowned authors, Ali A.

Mazrui, and Seyyed Hossein Nasr, will give keynote presentations.

Considered by some to be Africa's most independent political thinker, Dr. Mazrui is the author of *The Africans: The Triple Heritage*. He holds the Albert Schweitzer Chair in the humanities at the State University of New York at Binghamton, is director of the Institute of Global Cultural Studies and is Cornell University's Andrew D. White Professor-At-Large.

Dr. Hossein Nasr is author of more than 20 books exploring Islam and the modern world, including *Ideals and Realities of Islam, Science and Civilization in Islam, Muhammad-Mat of Allah and A Young Muslim's Guide to the Modern World*. After receiving his early education in Tehran, Iran, he studied physics at MIT and received

his Ph.D. in the history of science and philosophy from Harvard University. He is the founder and first president of the Iranian Academy of Philosophy and has taught at the University of Tehran, Harvard, the American University in Beirut, Arayamehr University and Temple University. Dr. Nasr is currently a professor of Islamic studies at George Washington University.

For more information about the conference, contact Arthur Goldschmidt Jr. at (814) 863-0086 or by e-mail at AXG2@psuvm.psu.edu. This conference is sponsored by the STS Program, the College of Engineering, the Middle East Studies Committee, the College of the Liberal Arts, the Association of Muslim Scientists and Engineers and the University Office of International Programs.

### Adult literacy is in spotlight at Aug. 21-23 event

Thanks to a special project grant from the state Department of Education, a summer conference focusing on the latest research in the field of adult literacy will be held Aug. 21-23 at The Penn State Scenicton.

"Helping Adults Develop Their Reading and Writing Skills: The Latest from Research and Practice," sponsored by the Institute for the Study of Adult Literacy, will feature a keynote address from Sondra Stein of the National Institute for Literacy. Dr.

Stein, who has collected writings from more than 1,500 adult literacy students, will present her research, "Adult Learner Perspectives on Goal 6: Toward a Customer-Driven Vision for Adult Literacy and Lifelong Learning." Her paper addresses national education goal No. 6 calling for a literate adult population by the year 2000.

Beth Bingham from the Center for the Literacy Studies at the University of Tennessee-Knoxville will give the plenary address, titled "The Integra-

tion of Literacy and Community Development." Five Penn State faculty and 12 ABLE practitioners also will present during the conference, which is being offered as a continuing and distance education service of the College of Education.

Anyone interested should contact Priscilla Carman, project associate, Institute for the Study of Adult Literacy, 204 Calder Way, Suite 209, University Park, Pa. 16801-4756, (814) 863-3777.

### 25-year Awards



Observing 25 years of service at the University are (from left) Louise Brydon, staff assistant, Academic Affairs at the Penn State Shenango Campus; Mabel Dolan, janitorial worker, Office of Physical Plant; Patrick F. McGovern, mechanic, Power Plant; Richard Sosnowski, financial officer at the Penn State Beaver Campus; Dr. John A. Waldhausen, associate dean and director, University Physicians, at the Hershey Medical Center; and Ethel Wiele, accounting clerk, University Libraries.

Also marking 25 years, but not shown are: Donald D'Alagni, associate professor of physics, and Lawrence Pillone, professor of physics, both at the Penn State Altoona Campus; Charles E. Galgoczi, director of graduate admissions and programs in the Office of the Senior Vice President for Research and Graduate Education; and Frank M. Hassinger, carpenter A, Office of Physical Plant.



## News in Brief

### Red Cross blood drives

The Centre Communities Chapter of the American Red Cross will hold these blood drives during July:

Date	Place	Time
July 10	Kern Grad. Center	10 a.m.-4 p.m.
July 11	HUB Ballroom	10 a.m.-4 p.m.
July 12	Pollock	1-7 p.m.
July 25	ARL (apptment)	10 a.m.-4 p.m.
July 31	Housing and Food Services	10 a.m.-4 p.m.

While walk-ins are welcome (with the exception of the ARL where appointments are required), appointments help with processing time. Please call Connie Schroeder, campus coordinator for American Red Cross Blood Services, at 237-2713.

### University Women's Club

The University Women's Club makes a special effort to welcome women in their first and second year at Penn State. The UWC Newcomer Committee assists new arrivals to State College, and all faculty, staff or spouses are invited to join the UWC. The group is composed of a variety of special interest groups, such as a mother's group, hiking, professional women, golf and luncheon groups.

Newcomers and members can meet and sign up for participation in the interest groups at a reception at 7:30 p.m. Sept. 19, in the Kern Graduate Center. For more information on membership or dues call Beth Griffin at 353-8166 or Judy Pittman at 237-8683.

### Camp offered

A camp program that runs from Aug. 28-Sept. 1 for school-age children of University faculty and staff is being sponsored by the Penn State Office of Child Care Program Services and the Office of Human Resources. DASH Camp, Discover Alternative Service Help, is planned for children ages 6-11 years old. The camp, directed by Julia Nelson, is a pilot program aimed at helping faculty and staff members, as well as their children, make a smooth transition from summer to the school year. The camp, which runs from 7:30 a.m.-5:30 p.m., will include activities such as ice skating, soap carving, lawn sports, swimming, painting and making bird feeders.

For more information on the program and its fees, contact Prudence Johnson at 865-9193.

### Native American maps on display

"Another America: An Exhibition of Native American Maps" is on display in the LIA5 Catalog Room, Pattee Library, through July 28. The exhibition, planned with a grant from the National Endowment for the Humanities, is the first to focus exclusively on maps made by or derived from Native Americans.

"Another America" offers examples of American Indian and Inuit (Eskimo) maps, many of which have never been reproduced. Its format features high-quality photographic reproductions and illustrated text captions, which describe the map's historical, geographic and cultural contexts.

### Copy Center in Pattee

The Office of Business Services has assumed responsibility for the Libraries Copy Center in 202 West Pattee Library.

The Libraries Copy Center will continue to offer book, microform, microcard and administrative copying, as well as microfiche duplication. The existing equipment will be upgraded for improved efficiency and greater functionality. Networked printing, color copies, binding, copyright clearance services and courier express delivery will also be offered.

Other satellite centers are at 107 Business Services, 122 Ag Administration, 206 South Henderson, 11 Grange, 20 Old Main, 116 Rackley, 13 Whitmore Lab, SA Steidle and 108B Keller.

The center will be open Monday through Friday, 8 a.m. to 5 p.m. The phone number remains the same—865-7821.

### InterNexus seminar

Would you like to know more about the Internet? Are you interested in consulting other library catalogs across the world or participating in international online conferences? Then you'll want to attend Internet seminars offered by the University Libraries and the Center for Academic Computing. The InterNexus seminar is designed to provide basic concepts and skills needed to successfully navigate the Internet. Registration is not required for the basic InterNexus seminar. Times and dates are listed below, and walk-in participants are welcome.

InterNexus: Thursday, July 13, 10 a.m. to noon; Wednesday, Aug. 30, 6:30 to 8 p.m. All classes are in 101 Classroom Building.

Once you have attended the InterNexus seminar, more advanced seminars, are available. Registration is required for the hands-on session. (Enrollment is limited to 15.) To register contact Jean Cowher at (814) 863-4356 or by e-mail at [ajc@psuvm.psu.edu](mailto:ajc@psuvm.psu.edu). The courses are:

Introduction to World Wide Web/Gopher: Tuesday, July 18, 6:30 to 8 p.m., 101 Classroom Building.

Introduction to World Wide Web/Gopher (hands-on session): Wednesday, July 19, 9 to 11 a.m., Waring Lab.

### Science Writers meet

The Penn State Chapter of the National Association of Science Writers will hold its second annual picnic supper—complete with a seminar on herbs and their uses—at the Stone Valley Pavilion, Wednesday, July 26, beginning at 4 p.m.

Keppy Arnoldsen, an author of the book *Herbs for the Home Gardener*, will cover cultivating herbs and discuss their culinary and craft uses. The program includes a trip to the Shaver's Creek herb garden. Cost for the program and supper is \$9.50 per person, payable in advance. Make checks out to: Penn State Chapter, National Association of Science Writers. Send your check and sandwich preference to Barbara Bogue, 101 Hammond Building, by July 18.

The picnic is open to anyone interested in science communication or herbs. For information about sandwich choices, contact Scott Turner, 865-9481, or Barbara Bogue, 863-2132.

## Search committee named to find vice provost candidates

A search committee has been appointed to identify candidates for the position of vice provost.

John J. Cahir, vice provost and dean for undergraduate education, is committee chair. Other members are: Cheryl Achenberg, associate professor of nutrition; Patricia M. Hockin, undergraduate student in horticulture/microbiology; Murry R. Nelson, professor of education and American studies; Gabriella A. Varga, associate professor of animal science; and Harry H. West, professor of civil engineering.

The vice provost will provide general assistance to the executive vice president and provost in the area of academic administration. Responsibilities involve administering academic personnel matters, including promotion and tenure, sabbatical leaves, and other faculty development programs.

The Search Committee is reviewing applications and will continue to receive applications and nominations until a suitable candidate is selected. A general description of the vice provost position appeared in the June 15 issue of *Intercom*. Nominations and letters of application accompanied by resumes and other supporting materials should be submitted to: John J. Cahir, chair of the Search Committee for the Vice Provost, The Pennsylvania State University, Box P51, 201 Old Main, University Park, Pa. 16802.

## Ag department seeking head

The College of Agricultural Sciences is conducting a national search for the position of head of the Department of Agricultural and Biological Engineering. The head serves as departmental administrative officer and program leader, and reports directly to the dean of the college.

Candidates should possess an earned doctorate in agricultural engineering or a closely related discipline; a significant period of professional experience; administrative and program leadership experience with the ability to communicate effectively and serve as an advocate for the department; experience working with agricultural industries; and experience in or knowledge of research, extension and resident education functions in the land-grant university system.

Applicants should submit a resume with the names of five references to Dennis J. Murphy, chair, 221F Agricultural Engineering Building, University Park, Pa. 16802. Applications will be accepted until the position is filled, however, initial review will begin Sept. 15. For more information, contact Dr. Murphy at (814) 865-7157.

## National search begins for director of extension region

The College of Agricultural Sciences is conducting a national search for the position of director, West Extension Region, to serve as administrative officer and program leader for a county area in western Pennsylvania. The director's office is located at University Park with a regional office on the Shenango Campus. The position is equivalent to department head, and the college will recommend an academic appointment in the successful candidate's discipline.

Candidates should have an earned doctorate; professional and/or administrative experience with a strong record of program leadership; ability to work effectively with staff, urban and rural audiences, agricultural producers, industry, government and other public and private organizations; and experience in or knowledge of research, extension and resident education functions in the land-grant university system.

Applicants should submit a letter describing their qualifications, a resume and a list of three references to: Director, West Region Search Committee, 210 Agricultural Administration Building, University Park, Pa. 16802. The position is available Sept. 1. Applications will be accepted until the position is filled, however, initial review will begin Aug. 15. For more information, contact David Fowler at (814) 226-4956.

## CGI CONTINUOUS QUALITY IMPROVEMENT

### Benchmarking visits

The University Libraries Records Management Program, the Office of the Assistant Vice President for Business Services, and representatives from the Office of Physical Plant have been reviewing options to resolve the University's inactive records storage problem.

In an effort to evaluate possible solutions for Penn State, Lee Stout, university archivist and Jackie Esposito, assistant university archivist, joined Betty Roberts, assistant vice president for Business Services, and Gale Bowman, manager of Administrative Support Services, on a benchmarking visit to the University of Pennsylvania.

Penn established its Records Center operation in 1984 and has since become successful in offering services to university offices on a cost-recovery basis. Within five years of obtaining their first off-site location, Penn's program was generating enough revenue to run it.

The Penn State team toured Penn's facilities, reviewed utilization summaries, and analyzed institutional support and administrative structures. They also reviewed organizational charts and job descriptions, attended a demonstration of operational software and online electronic capabilities, and reviewed budgets and financial systems.

The team was impressed not only with Penn's operation, but with the attention and care afforded each team member during their visit. Dr. Roberts has prepared a position paper for Gary Schultz, senior vice president for Finance and Operations. Staff will continually assess the impact of the benchmarking visit on the University Libraries Records Management Program.

### CARPPOOL

Looking for a carpool from Philadelphia to University Park. Work hours are 7:45 a.m. to 4:45 p.m., Monday through Friday. Non-smokers only please. Call Melissa at 865-1809.

## Consortium embarks on cooperative venture

In addition to sharing learning technology, the universities will create a technical and administrative framework to promote faculty collaboration on course development

The presidents, chancellors and provosts of the Big Ten universities and the University of Chicago announced a major initiative to promote the cooperative development and use of advanced teaching and learning technologies.

Through the initiative, the universities will work together to enable faculty to make better use of electronic communications, video conferencing, computer networks, multimedia software and other interactive learning technologies in teaching students. The initiative is expected to improve the quality of education and have a profound effect on the way students are taught.

In addition to sharing the development and application of learning technologies, the universities will create a technical and administrative framework to promote faculty collabora-

tion on course development and the delivery of joint instruction.

The universities participating in the initiative are members of the Committee on Institutional Cooperation (CIC), the academic consortium of the universities of Chicago, Illinois, Iowa, Michigan, Minnesota and Wisconsin-Madison; and Indiana, Michigan State, Northwestern, Ohio State, Penn State and Purdue.

Initially the universities plan to build upon graduate and undergraduate courses already using learning technology, including engineering, life sciences, mathematics, languages and library science courses. These efforts will serve as models for future shared development and delivery of course offerings.

## Smear earns No. 2 spot for research funding

The Smear College of Business Administration is second in the nation in generating funding for its research, according to a study by the University of California at Irvine.

"The creation of new knowledge is essential to the future of business and of business education," Paul H. Rigby, Smear College associate dean for research and graduate programs, said. "This ranking is a relative measure of the contribution our faculty make to the field."

The Cal-Irvine business school ranking showed that Smear College faculty members earned more than \$2.49 million in grants during the year studied and, with additional internal matching support, spent a total of nearly \$2.93 million examining issues facing the business world.

"The current data is even more impressive," said Dr. Rigby. "So far in 1994-95 external funding for research here has topped \$3.7 million."

The University of Michigan's business school was ranked No. 1 in both funded grants and total research expenditures.

Following the Smear College in rounding out the top five in funded grants were the University of California at Berkeley, the University of Utah and the University of Indiana. Following Smear in research expenditures were the University of California at Los Angeles, George Washington University and Berkeley. The Cal-Irvine study team rated 20 of the nation's top business schools based on returns from a survey sent to 60 institutions. The team cautioned that the funds tabulated did not exhaustively represent research funding, focusing on government and industry grants and not money from endowments or other internal sources.

In a separate tabulation of grants per faculty member, The Smear College came in third and fifth in research expenditures per faculty member.

## Soap stars are feature of United Way fund-raiser

Soap opera stars from ABC-TV's "One Life to Live" will challenge members of the student affairs division at Penn State in a softball game to benefit United Way on Saturday, July 22 at University Park.

Among the 17 "One Life to Live" cast members scheduled to compete are Krista Tesreau, "Tina Lord Roberts," Tonja Walker, "Alex Onanov Buchanan," and Nathan Fillion, "Joe Buchanan." Heading the Penn State team is William Asbury, vice president for student affairs, and staff members from all areas of his division.

Also expected to participate are the cast members who play the following characters: Dr. Ben Price, R.J. Gannon, Andy Harrison, Carlotta, Kelly, Christian Vega, Javier Perez, Eddie Velasquez, Louis, Mickey, Linda, Sarah, C.J. and Kevin Buchanan.

The game will be played on campus at Beaver Baseball Field, next to the stadium, starting at 2 p.m. Advance tickets can be purchased at two prices — \$10 for bleacher seating and \$5 for general admission. To order tickets in advance, call (814) 865-0181 between 9 a.m. and 5 p.m.

Following the game, a number of items such as scripts, t-shirts, softballs and studio tour passes will be auctioned off. Ticket purchasers will also have an opportunity to visit with the cast and obtain autographs.

All proceeds from admission tickets and the auction will be donated to the Centre County United Way and credited to the Student Affairs United Way Team for the 1995 United Way campaign.

## Penn Staters

Herman Cohen, professor emeritus of speech communication, has received the Everett Lee Hunt Award for his 1994 book, *The History of Speech Communication: The Emergence of a Discipline, 1914-1945*. His work was cited for "providing a major contribution to the understanding of rhetoric and communication as a human function in the contemporary world; a means for explaining and realizing public responsibilities beyond the discipline of communication."

Henry Gerhold, professor of forest genetics, received a Certificate of Environmental Achievement from the National Awards Council for Environmental Sustainability of Renew America for his Municipal Tree Restoration Program.

Shahriar Jahanian, assistant professor of mechanical engineering technology at the Penn State Altoona Campus, has received \$36,893 from the National Science Foundation for laboratory development of the new bachelor of science MET program at the campus. The University will match this with \$36,892. Steve Fouko and Dick Snyder, instructors in electrical engineering technology, also are involved in the project.

Harvey R. Kelly Jr., assistant professor of speech communication at the Penn State Beaver Campus, is serving as president of the Eastern Communication Association (ECA). The ECA is the oldest communication association in the United States.



## Looking for life in all the right places

The search for habitable planets and extraterrestrial life is more likely to be fruitful around K and G-type stars, according to a University researcher.

It isn't that other stars won't have planets and habitable zones, but that the likelihood of a planet remaining in the habitable zone long enough for life to evolve, especially to evolve past the single-cell stage, is better around these stars.

James F. Kastig, professor of geosciences, used his climate model to determine the area around our sun, a G-2 yellow star, where Earth-like planets could exist. He then applied the information to a range of main sequence stars — stars past their youth but not into old age.

The fundamental criterion necessary for a habitable planet, according to Dr. Kastig, is liquid water.

"This is the minimal assumption for carbon-based, DNA-coded life as we know it," he says.

On the inner edge, things begin to go haywire at just 5 percent closer to the sun than Earth's orbit, Dr. Kastig said. This corresponds to a 10 percent increase in solar luminosity as seen on the planet.

"This creates a moist greenhouse," Dr. Kastig said. "The surface temperature rises, water evaporates and rises to the stratosphere where it can dissociate into hydrogen and oxygen."

The hydrogen escapes the atmosphere and the oxygen combines with other elements to form oxides. The net result is water loss.

"The interesting thing about the moist greenhouse, and the runaway greenhouse as well, is that carbon dioxide concentrations in the atmosphere do not affect the process to the extent that one might suppose," he said.

The runaway greenhouse comes into play at 15 percent closer to the sun or 35 astronomical units. An astronomical unit is, by definition, the average dis-

tance from the Earth to the sun. This produces a 40 percent increase in solar luminosity and would cause the oceans to boil, rapidly placing water vapor in the stratosphere where it would dissociate.

On the far end of the habitability belt, Dr. Kastig finds things less straightforward.

"Because stars gradually increase their brightness with age, the early sun was 30 percent fainter than it is now," Dr. Kastig said.

"We know that life evolved under this faint young sun, and we suspect that a greenhouse gas, probably carbon dioxide, made liquid water possible."

"However, there are limits to this warming," Dr. Kastig said. "If the atmosphere gets too much colder, the carbon dioxide forms dry ice clouds which reverse the greenhouse warming allowing water to freeze."

Dr. Kastig calculates that the habitable zone around the sun is between .95 and 1.37 astronomical units, or a third to three-quarters of an astronomical unit.

"What is really important is not just the habitable zone, but the continuously habitable zone," Dr. Kastig said. "If a planet formed on the inner edge of

a young star's habitable zone, as the star ages and increases in brightness, the planet would no longer be in the habitable zone. The zone will have moved out with increasing solar luminosity."

Every star has a habitable zone, but its location and width depend on the solar mass. White, F-type stars are more massive and hotter, so their habitable zones are farther from the star, while M-type reddish stars are less luminous and so have closer habitable bands.

For some stars, especially massive ones that evolve quickly and rapidly increase in luminosity, the time it takes for the original inner edge of the habitable zone to move past the location of the original outer edge — traversing the width of the original habitable band — is too short for intelligent life to evolve.

"A star with 15 times our sun's mass would have a continuous habitable zone lasting only 2 billion years," Dr. Kastig said. "Life would probably not have evolved past the microscopic level."

F-type stars with 1.25 times the mass of the sun have finite continuously habitable zones for about 4 billion years. Not too bad,

but, according to Dr. Kastig, F stars produce large amounts of ultraviolet radiation. Without an extra-thick ozone layer, this poses problems for the evolution of life.

At the smaller, lighter end, an M star with a mass half the sun's mass, has a continuously habitable zone that lasts more than 10 billion years. However, the habitable zone is so close to the star the planet would be tidally locked — without rotation and continuously presenting the same half of its surface to the star.

"Planets in M-star habitable zones would have very weird climates," Dr. Kastig said.

While a very small part of our G-type sun's habitable zone will last for 10 billion years, unfortunately, the location of the Earth will be habitable for only another billion years or so.

The best star to explore for intelligent life is the K star. With a mass three-quarters that of the sun, the habitable zone is outside of the tidal locking problems and has an area that remains continuously habitable for greater than 10 billion years — plenty of time for intelligent life to evolve.

— Andrea Elyse Messer

## Research

## Roundup

Brain  
probe  
passes  
test

A University researcher has found that a new non-invasive brain imaging technique does as well or better at identifying cortical areas involved in language, arithmetic and attention as a scan that relies on injected radioactive markers.

Linda Rueckert, lecturer in psychology at Penn State Erie, The Behrend College, tested the new technique, called echo planar functional magnetic resonance imaging (fMRI), during the two years she spent at the Cognitive Neuroscience Section of the National Institute of Neurological Disorders and Stroke before joining the Penn State faculty.

"It is likely that in the future fMRI will be used as a non-invasive method for localizing cortical regions involved in language in patients who are to undergo brain surgery," she said.

Explaining women's  
homicidal behavior

Society considers women who kill to be mentally disturbed or living in an abnormal environment, but a new theory describes a variety of settings where women are more likely to commit murder.

"In addition to killing abusive partners, women also murdered non-abusive partners, children and other adults in their lives," said Robbin Oglet, lead author of the theory.

Ms. Oglet, who received her Ph.D. in May, and co-authors Daniel Maier-Katkin, dean of the School of Criminology and Criminal Justice at Florida State University, and Thomas Bernard, professor of criminal justice and sociology at Penn State, found that about 80 percent of homicides by women are spontaneous and involve the killing of people familiar to them.

"Society teaches women to suppress anger internally and to avoid developing adequate coping mechanisms. When their environment and stress finally overwhelm these women, their fury just explodes," Ms. Oglet said. "They don't know how to direct the anger and carry out extreme forms of violence. The targets are people in the immediate vicinity, such as a spouse or child, regardless of whether they were the source of the stress."



James F. Kastig, professor of geosciences, has narrowed down the habitable zones of some types of solar systems.

Photo: Greg Gricio



### Two earn scholarship

A pair of Penn State student-athletes have been awarded a \$5,000 scholarship for postgraduate study at the university or professional school of their choice.

Track standouts Jake Bartholomew and Kim Kelly received the award. In all, 28 Penn State student-athletes have earned an NCAA Postgraduate Scholarship, including four this year.

### All-American athletes

Three Penn State Lady Lion standouts have been selected to the GTE Academic All-America At-Large team, making it eight Academic All-Americans for PSU athletes this year. NCAA Fencing champion Olga Kalinovskaya-Ritterbush was selected to the first team, while track and cross country standouts Kim and Kris Kelly were named to the third team in voting by members of the College Sports Information Directors of America.

Players nominated for GTE Academic All-America consideration must have a 3.2 cumulative grade point average and be a starter or key reserve.

### Short takes

Two Penn State athletic administrators have received Big Ten Conference committee assignments: Athletic Director Tim Curley will serve as a member of the Men's Television Administrative Committee, and long-time faculty representative John Coyle will serve as chair of the Academic Progress and Eligibility Committee.

### Sears Directors Cup

Penn State finished eighth overall in the second annual Sears Directors Cup survey and was once again the highest-rated program in the East.

It was the second consecutive top 10 finish for the Nittany Lions and Lady Lions in the competition sponsored by Sears, Roebuck & Co., *USA Today* and the National Association of Collegiate Directors of Athletics. A year ago, Penn State was No. 5 in the same summary.

Penn State's teams in 29 varsity sports had a winning percentage of 67.9 percent. Fifteen teams advanced to their respective NCAA Championships led by the fencing team, which captured its third title in this decade.



How does your garden grow?

Donna Meyer, staff assistant with the University Scholars Program, and Suzanne Power, assistant to the director of the Scholars Program, spend their lunch hour shopping at the Farmer's Market in downtown State College. Ms. Meyer bought a delphinium bouquet from Patchwork Farm.

Photo: Annemarie Mountz

## Promotions

### Staff

Vijay K. Agarwala, senior research programmer, Computer and Information Systems, Telecommunications Services, Penn State Fayette Campus.  
Michael F. Belinc, manager of Systems Architecture, Computer and Information Systems, Office of Administrative Systems.  
Michael Bezilla, director, Development Communications and Special Projects, Division of Development and University Relations.  
Ross B. Brode, lead applications programmer/analyst, Office of the President.  
Robert M. Bucklacher, research support assistant, The Hershey Medical Center.  
Lorraine B. Burke, staff assistant VI, Penn State Great Valley Campus.  
Judith E. Burns, administrative assistant IV, Research and Graduate School.

Julie A. Campbell, clinical head nurse, The Hershey Medical Center.  
Denise C. Connelly, staff assistant V, College of Agricultural Sciences.  
Kathleen M. Crider, coordinator, Accounts Payable, The Hershey Medical Center.  
Elizabeth A. Dahmus, assistant to the executive director, Reunions, Division of Development and University Relations.  
Michael R. Kelleher, supervisor, trades II, Office of Physical Plant.  
Marlene A. Kostewicz, staff assistant IV, Penn State New Kensington Campus.  
Stephen L. Kreiser, coordinator, Management Engineering Services, Office of Human Resources.  
Melissa J. Kunes, assistant director, Student Aid, Office of the President.  
Sherri L. Letterman, network coordinator, Division of Development and University Relations.



Department of Public Information  
312 Old Main, University Park, PA 16802 Phone: 865-7517  
Address correction requested

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Lisa M. Rosellini, editor  
Annemarie Mountz, associate editor  
Kathy L. Norris, staff assistant/calendar

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# INTERCOM

July 20, 1995

Volume 24, Number 34

## Trustees approve budget of \$1.6 billion for 1995-96

Penn State's Board of Trustees approved a 1995-96 total operating budget of \$1.6 billion for the entire University July 14.

"The budget we are presenting to you today reflects six elements that have deeply influenced our planning for next year," President Joab Thomas said. These elements are:

- A commitment to limit tuition increases in keeping with the requirements of the Commonwealth's Tuition Challenge Grant program and our own continuing concern about the rising cost of a Penn State education;

- The limitations of a very small increase of just 2.8 percent in the state appropriation for next year;

- A substantial, mandated increase in the cost of retirement benefits;

- A priority for salary increases;

- A four point internal reallocation program and
- Selective reinvestment.

"This framework poses obvious restrictions on what we are able to do, but nevertheless, it is one that keeps Penn State sharply focused on academic progress," he said.

Penn State's appropriation from the state is \$276.7 million, representing approximately 17 percent of the University's total operating budget. "Penn State received no increase in the base appropriation for 1995-96 beyond funds coming from the Tuition Challenge Grant," Dr. Thomas explained. Under the Challenge Grant, Penn State this year will receive approximately \$144 per full-time equivalent Pennsylvania resident student, or approximately \$7.5 million.

In addition to the state appropriation, the income supporting the

See "Budget" on page 7

## Tuition levels set for all campuses

Penn State's Board of Trustees approved tuition levels for all campuses on July 14, including an undergraduate tuition at University Park of \$2,594 a semester for Pennsylvania students.

"The tuition increases we are presenting to you today reflect a commitment to limit tuition increases in keeping with the requirements of the Commonwealth's Tuition Challenge Grant program and our own continuing concern about the rising cost of a Penn State education. It also reflects the limitations of a very small increase of just 2.8 percent in the state appropriation for next year," President Joab Thomas said.

"The Tuition Challenge Grant Program requires participating institutions to keep in-state tuition increases to no more than 4.5 percent, and therefore, we are proposing a 4.5 percent increase for Pennsylvania resident undergraduate and graduate students at all University locations."

In-state tuition for full-time students for the 1995-96 academic year will be \$5,188 for University Park, Penn State Erie and Penn State Harrisburg undergraduates (an increase of \$222 over last year); \$5,024 for Commonwealth Campus undergraduates (a \$216 increase); and \$5,802 (a \$248 increase) for all graduate students. Tuition for Pennsylvania medical students will increase by the same dollar amount as the increase in graduate student tuition, and will bring total resident tuition for in-state medical students to \$15,724 per year.

Out-of-state tuition for the academic year will be \$11,240 for University Park, Erie and Harrisburg undergraduates, \$7,808 for Commonwealth Campus undergraduates and \$11,948 for graduate students at all locations. Out-of-state medical students will pay \$22,642 for the academic year.

While tuition charges are up, so too is student aid, which the University has been able to increase by \$953,000. "In addition to a concern for especially needy students, the student aid increases reflect the priority for diversity and graduate education identified through the University's Future Process," Dr. Thomas said.



Giving life

Art history graduate student Burk Efram has his blood pressure taken by Linda Gjurch of the Johnstown Region chapter of the American Red Cross before giving blood at the HUB on the University Park Campus. To help boost the blood supply, another blood drive is scheduled for Monday, July 31 at Housing and Food Services.

Photo: Greg Grieco

## Inside

**Development Group Named**  
PSRP Developers, Inc., a private corporation, will carry on future development of the Research Park. For details, see page 6.



### Lecture

"Chromosomal Controls of Gene Expression," a symposium in molecular biology, will be held Aug. 3 to 5 on the University Park Campus. For details, see Page 10.

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## DIVERSITY

# Racial/Ethnic Diversity Commission productive

The Commission on Racial/Ethnic Diversity reported a variety of 1994-95 activities and accomplishments throughout the University.

"The Commission, which is an advisory board to the President on racial/ethnic diversity, has completed a very productive year," said Chair Vicki Fong in an informational report to the Board of Trustees July 13. "The members continued their discussions of issues identified in the 1992 Assessment Summit and the 1993 Conference on Building Coalitions, which was jointly sponsored by the Commission, the Commission for Women and the Committee for Lesbian, Gay and Bisexual Equity."

Several Commission members were part of the overall University Steering Committee that reviewed the strategic plans for diversity submitted by all University units this year and provided critical feedback. The strategic planning process resulted from a recommendation from the 1993 Coalitions Conference to develop a central strategic plan for multicultural transformation.

The Issues Management Teams within the Commission for Racial/Ethnic Diversity addressed the following topics: exit interviews, curriculum integration and student diversity issues, and climate issues.

The Exit Interview Team reviewed the current processes for underrepresented racial/ethnic students and employees who leave the University prior to graduation or for reasons other than retirement. Team members completed a report with recommendations which was forwarded by

**"Our operating philosophy stresses teamwork, collaboration and communication throughout the entire University to cultivate the appreciation of a multicultural society."**

— Vicki Fong, Chairperson,  
Commission on Racial/Ethnic Diversity

the full Commission to the President.

The Curriculum Integration and Student Diversity Issues Team reviewed the existing student rating of teacher effectiveness forms, also known as SRTs, and how they are used in classes. The Commission recommended two global diversity items to be included in a revised SRT form currently under consideration by a University Faculty Senate Committee.

"The Commission hopes to continue discussion with Faculty Senate Committee members on this topic," Ms. Fong said. "In addition, the Curriculum Team intends to survey academic units about use of the diversity course requirement."

The Climate Team reviewed individual unit climate assessment efforts, but decided to delay a more comprehensive review pending a University-wide initiative.

Two of the regular Commission meetings were held at the McKeesport and Ogontz Campuses in order to discuss diversity issues with students, faculty and staff.

Another major activity was the co-sponsorship of a Multicultural Winter Festival with the Central Pennsylvania Women of Color, which received support from the Equal Opportunity Planning Committee. The retention and educational event was designed to foster a welcoming environment for underrepresented faculty, staff and students, and to teach majority faculty, staff and students about cultural issues.

"Nearly 300 people attended last year's successful event," Ms. Fong said. "Planning for this year's event is in full swing with the targeted date Dec. 9."

Commission members also gathered in a retreat with the Commission for Women and Committee for Lesbian, Gay and Bisexual Equity this past May.

Possible topics for the Commission on Racial/Ethnic Diversity fall agenda include: community outreach; overcommitment to diversity service by minority faculty, staff and students; the role of diversity in the University's fund-raising initiatives; and the establishment of liaisons with the Commonwealth Companies.

"Our operating philosophy stresses teamwork, collaboration and communication throughout the entire University to cultivate the appreciation of a multicultural society," Ms. Fong said. "This flexible, comprehensive approach, rather than being politically reactive, allows all Penn State's to realize their full potential in the community."

## Minority freshmen enrollments increase

The number of African Americans who have accepted offers of freshmen admission to the University for 1995-96 is up 64 percent, while the numbers of Hispanic Americans are up 29 percent and Asian Americans increased 14 percent.

"Minority students are showing dramatically increased interest in the opportunities Penn State has to offer, and that interest is translating itself into the biggest entering class of students from underrepresented racial and ethnic groups that the University has ever seen," Edwin Eskalet, director of minority admissions and community affairs, said.

As of July 3, freshman acceptances from all minority groups were up 32 percent over last year, from 1,137 to 1,503.

The 64 percent increase in African American acceptances translates to 575 prospective freshmen, as opposed to 350 at the same time last year.

"Much of the increase stems from the African-American community in Philadelphia," Mr. Eskalet said. "We've developed a new team approach to reach into neighborhoods and 50 high schools, and we're seeing a great response."

Among Hispanic Americans, the 29 percent increase corresponds to 312 prospective freshmen, compared with 242 at the same time last year.

Among Asian Americans, the 14 percent increase corresponds to 601 prospective freshmen, compared to 528 last year.

Mr. Eskalet said he expects minority student acceptance to increase incrementally over the rest of the summer.

Last year (1994-95), Penn State's enrollment of minority students from freshmen through doctoral levels reached an all-time high of 6,086—or 8.8 percent of the student body.

## Health issues addressed

African-American women will have an opportunity to learn more about health issues facing them, prevention strategies and ways to improve their health and the health of their communities during the Health Empowerment and Black Women Conference planned for Oct. 14 at The Penn State Stanton.

Dr. Toni P. Miles, who holds both medical and doctoral degrees and is a professor in Penn State's Biobehavioral Health Program and director of its Center for Special Populations and Health, is a featured speaker at the conference.

Other speakers are specialists in the nursing, psychology and education fields. They include Freda Outlaw, director of nursing at the University of Pennsylvania; Shalynn Simmons Dunn, a staff psychologist at Bucknell University; Brenda Woods-Francis, vice president for the HIV-AIDS Program, Maya-

Tech Corp.; Donna Curry, educational consultant and foundation and leadership teaching director at Duquesne University; and Pamela Ferrell, author of *Where Beauty Touches Me* and president of Cornrows & Co.

Topics to be covered include breast cancer, hypertension, obesity, diabetes, nutrition, stress, health and beauty. Participants also will receive free health screenings and individual computerized health-risk appraisals, which will be explained by Dr. Miles during one session.

The conference is designed to be informal and dress will be casual.

A continuing and distance education service of the College of Health and Human Development and the Center for Special Populations and Health, the conference was developed in collaboration with Continuing and Distance Education.



# Division reorganization announced

A reorganization in the Office of Development and University Relations, effective Sept. 1, was announced July 7 by University President Joab Thomas and President-elect Graham Spanier.

The reorganization comes in the wake of the announcement by G. David Gearhart, senior vice president for development and University relations, that he will be leaving the university in October to accept a position as senior vice president and managing partner of the consulting firm Grenzebach, Glier & Associates.

Dr. Thomas and Spanier said that Dr. Gearhart's successor will hold the title of vice president for development and alumni relations. This individual will be a senior member of the University's management team.

The reorganization calls for the Office of University Relations to report directly to the University president, rather than through the executive responsible for development. The Office of University Relations, which has responsibility for public information, marketing, publications and development communication at Penn

State, currently reports to the senior vice president for development and University relations.

"Dr. Spanier's appointment as president and the transition in leadership occurring at the vice-presidential level with the resignation of Dr. Gearhart provide the opportunity for us to look now at the configuration of responsibilities," Dr. Thomas said. "We will want Dr. Gearhart's successor to be able to focus his or her attention sharply on fund-raising and alumni relations."

"Having direct involvement with

public relations at Penn State will be particularly helpful to me as Penn State's new president, since I will be spending much time in my first year taking the University's message across the Commonwealth, meeting members of the Penn State family and planning for the next capital campaign," Dr. Spanier said.

He added, "I will also wish to devote considerable time to fund-raising during my first year, meeting alumni and friends of Penn State, and planning for our next capital campaign in consultation with the new vice president."

## Search committee appointed for executive director

President Joab Thomas and President-elect Graham B. Spanier on July 13 announced the names of a 10-member search committee charged with forwarding candidates to fill the position of Executive Director of University Relations.

Terri L. Brooks, dean of the College of Communications, has agreed to chair the committee.

Other committee members are:

- Deborah F. Atwater, associate professor of speech communication and African and African American studies

- Mark D. Erstling, general manager and director, Educational Communications, WFSX-TV

- George Glazer, senior vice president, Hill and Knowlton

- Jeffrey T. Hermann, director of University Publications and University editor

- Alan F. Janesch, writer/editor

- Robin W. Jones, director of legislative affairs

- Christina M. Rambeau, manager, news bureau

- Virginia Richardson, assistant professor of communications

- William D. Taylor, director of intercollege research programs

As part of a recently announced reorganization, the executive director will report directly to the President. The search committee will advertise the opening for the position and will receive and screen applications and nominations. The committee will submit a list of candidates to President Spanier and participate in the interview schedule for finalists. President Spanier will select the final candidate for the position.

"I'm grateful to President Thomas and the members of the search committee for their willingness to start this process before my official arrival," Dr. Spanier said. "Public relations is an increasingly important area of the University administration and I want the person who accepts this position to be on board from the close to the beginning of my appointment as we can possibly arrange."

## Search committee formed for VP

### Applications sought for alumni, development vice president

The University is seeking applications and nominations for the position of vice president for Development and Alumni Relations.

The vice president for Development and Alumni Relations will report to the president of the University and will be responsible for planning, coordinating and directing the fund-raising and alumni programs for the University. The person filling this position is expected to coordinate with academic and administrative units (e.g., the colleges, intercollegiate athletics, agricultural extension, and continuing and distance education) in developing a complete approach to the continuing development of private support for the University.

Five to 10 years of successful executive-level experience in development/alumni relations, marketing or administration and management is desirable. Preference will be given to individuals who have a full understanding of the function and priorities of institutions of higher education of a size and diversity comparable to Penn State. Ability to lead a major capital campaign is required. Women and minorities are encouraged to apply.

Deadline for applications and nominations is Aug. 21 or until qualified candidates are identified. Please send resume to: Carol Herrmann, chair, Search Committee, 201-0 Old Main, University Park, Pa. 16802.

"President-elect Spanier and I agreed that we must move with deliberate speed to identify new leadership for the development and alumni relations area," Dr. Thomas said. "The timing is such that the responsibility for the appointment will rest with Dr. Spanier, but neither he nor I wanted to hold the search until my official arrival."

The search committee will advertise the opening for the position of vice president for development and alumni relations, and receive and screen applications and nominations. Branch

Glier & Associates will act as consultant to the committee. The Chicago-based firm was the consultant to The Campaign for Penn State, the University's first major fund-raising drive. Grenzebach, Glier and Associates continues to advise the University on its private fund-raising activities.

The committee will submit a list of candidates to Dr. Spanier and participate in the final interview schedule. Dr. Spanier will select the final candidate and forward that candidate to the Board of Trustees for approval.

## Agricultural Sciences creates new major

What does it cost to preserve a species of owl? How much money could a company save by using a cleaner manufacturing process? And how much will it cost a company to comply with new environmental rules?

The new environmental and renewable resources economics (ERRE) major in the College of Agricultural Sciences will prepare students to answer these types of questions by using economics to analyze environmental problems and their possible solutions.

Students in the major will develop a working knowledge of economics and learn to apply that knowledge to cur-

rent issues," James Beierlein, professor of agricultural economics and the department's undergraduate coordinator, said. He anticipates an initial enrollment of 75 to 100 students by fall 1995.

ERRE graduates will be firmly grounded in economics and familiar with policy analysis techniques used in other social sciences. The major's core courses will apply economic theory to current issues in environmental policy, natural resource use, legal aspects of resource management and environmental management.

Basic courses in the program provide mathematics, communication and res-

ourcing skills, as well as a strong background in the physical and biological sciences.

ERRE graduates can work as environmental and resource economists and policy specialists with environmental sections of large businesses, accounting firms, state and federal agencies and private environmental organizations. Nation's top graduates of ERRE programs have received starting annual salaries ranging from \$20,000 to \$25,000.

Some core courses in ERRE also are required for majors such as environmental resource management or wildlife and fisheries science.

## From the Trustees Docket

# University sees strongest enrollment numbers since 1990

The number of incoming freshmen this fall at Penn State has reached a six-year high, according to preliminary figures.

"Universitywide baccalaureate paid accepts are running ahead of any time during the past six years," John J. Romano, vice provost for enrollment management and administration, said in an informational report to the Board of Trustees. "The increase in paid accepts over last year is 22 percent."

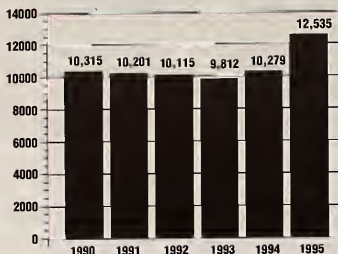
"Taking a closer look, there is a dramatic change in the number of paid accepts in the Commonwealth Educational System, which comprises 17 campuses throughout Pennsylvania," Dr. Romano said. "The increase there over last year is 27 percent, making 1995 the largest year for CES in the last six years."

In addition, the baccalaureate paid accepts at University Park is up 16 percent over 1994. Dr. Romano cites a very strong applicant pool and an increase in students accepting admission to University Park.

Behrend College paid accepts are up by 26 percent over 1994. Paid accepts for all minority students University-wide are up 28 percent over last year.

### Total University

Baccalaureate Paid Accepts — Summer/Fall



Dr. Romano attributed the upswing to the many collaborative efforts involving University campuses, colleges and the central admissions and student aid offices.

And, the change extends to quality issues as well. For example, among University Park offers, there has been a 20 percent increase in applicants presenting combined SAT scores of 1,300 or greater. For CES campuses and Behrend College, the numbers of offers for similarly qualified applicants rose 63 percent.

"Many actions have produced this result," Dr. Romano said. "They include a redesigned application, a Continuous Quality Improvement team that made more than 25 process evaluation changes in the Admissions Office, a Philadelphia CQI team, much more aggressive search mailings, enhanced visitation programs, a clear focus on the CES campuses, personalized admissions and early estimates of student aid."

Dr. Romano credited the success to the active participation of many faculty, staff and students in the colleges and at the campuses, and the Central Enrollment Management Group.

"We are having a bit of success right now, but the admissions cycle is still under way," he said. "A final report will be available in the fall."

# CES enrollment rises; fiscal status improves

Hard work and skillful planning have paid off for the Commonwealth Educational System.

Robert E. Dunham, senior vice president and dean for the Commonwealth Educational System, had good news to report to Penn State's Board of Trustees July 14. The CES is projecting an increase in enrollment for the fall semester, easing the financial crisis it faced a year ago.

"If this rather conservative projection holds for baccalaureate freshmen, it will be the largest class since 1989," Dr. Dunham said. "The campuses worked very hard to turn the enrollment picture around, and it appears that every campus will see an increase in the number of new baccalaureate freshmen."

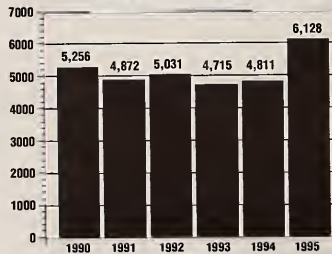
The financial turnaround is dramatic. One year ago, Dr. Dunham reported a projected \$12 million deficit in the CES expense budget. A slight increase in enrollment over projections last fall dropped the deficit to \$10 million. To further close the gap, CES has cut \$8 million in permanent funds from its budget.

If the projected increase in enrollments materializes this fall, and if the enrollment for 1996 is the same or higher, CES may not have to make any more cuts and may even be able to increase the campus budgets.

"We plan to take the revenues from this fall and distribute them to the campuses on a temporary basis, much as we did last year," Dr. Dunham said. "This will provide the needed financial

### Commonwealth Educational System

Baccalaureate Paid Accepts — Fall



support to meet the expanded enrollments and also provide an incentive for the campuses to grow."

Despite the tight fiscal situation, CES has been able to include technology in its strategic planning.

"We now have multi-media classrooms at almost all of our campuses and the demand for their use increases rapidly," Dr. Dunham said. "This will make it possible for students to take some courses that would not otherwise be offered at Commonwealth Campuses."

In other news, Dr. Dunham reported:

- **Changes in personnel.** Janelle Larson, assistant professor of agricultural economics and rural sociology at the Berks Campus, is the first Rhodes Scholar on the CES faculty. Larson's appointment is effective this fall.

- **Three new CEOs** were appointed effective this month: Catherine Gannon at New Kensington; Dennis Travis at Beaver; and Joe Strasser at the DuBois Campus. In addition, Eugene Slaski is the acting CEO at the Allentown Campus beginning this month.

- **Progress on Project Vision.** The active and collaborative learning venture involves three campuses, 60 students and nine faculty. Two courses are offered each semester.

- **The results of a student satisfaction survey.** This year, both full-time and part-time students were surveyed. Both groups counted quality of teaching, availability of required courses, convenience of scheduling, range of courses available and parking among the most important features they look for in their campus locations. Survey results will be built into strategic planning at each campus.

- **Significant progress on wiring CES** campus buildings so that faculty and staff can get on the backbone and take full advantage of the Internet.

- **The distribution of 25 computers** at each campus to replace obsolete models in student labs.

- **A change in the computer systems office.** A new Center for Learning and Academic Technologies was created to replace the former CES Systems Office, at about half the cost of the old office.



## From the Trustees Docket

## How did that building get there?

Faculty and staff may be too busy to notice much about the buildings they enter on a daily basis, but those same buildings could be providing them with a sense of community and harmony.

That's what good building design can inspire, according to Gary Schultz, treasurer and senior vice president for Business/Finance, and that's what the University is striving to achieve.

In a recent presentation on the architect selection process to the Board of Trustees, Mr. Schultz explained the comprehensive path that leads to the design and construction of a building.

"The first step is to establish design guidelines in the campus master plan which determines the need for the building," Mr. Schultz said. "Master plans have been invaluable in determining the context for buildings."

As an example, the recently constructed Classroom Building on the University Park Campus fits nicely with the older structures that grace the four corners of Pollock and Shortridge roads. The Classroom Building's scale, masonry, brick work and architectural style blend well with the Grange Building, Rittenour and McElwain residence hall.

Coincidence? Not likely.

Since 1907, officials at University Park have worked from a master plan to decide the fate of proposed buildings, taking into account their size and location, and the role they would play in relation to the rest of the campus. The last full master plan for the University Park Campus was conceived in 1987 and will soon be updated to reflect changes in the University's needs.

"Every Penn State location has an image or character that we try to respect," Doug Ault, acting assistant vice president for the Office of Physical

There are six steps followed from initial conception to completion of a building. They are:

- 1) Establishment of design guidelines in the master plan.
- 2) Identification of potential funding sources and initiation of the project.
- 3) Preparation of a building

program statement that lists everything the building must contain to fulfill its function. Budget, site and infrastructure needs are also part of the statement.

- 4) Selection of an architect.
- 5) Design of the structure.
- 6) Construction and occupancy of the new facility.

Plant, said. "At the University Park Campus, we strive to maintain our roots as a land-grant institution through our campus design. Unlike some universities in urban settings that squeeze high-rise buildings tightly together, we have tried hard to preserve the agrarian environment with a lot of landscaping and green space."

From initial conception to completion of a building, there are generally six steps that are followed: 1) establishment of design guidelines in the master plan; 2) identification of potential funding sources and initiation of the project; 3) preparation of a building program statement that lists everything the building must contain to fulfill its function. Budget, site and infrastructure needs are also part of the statement; 4) selection of an architect; 5) design of the structure; and 6) construction and occupancy of the new facility.

At various stages in this process, several committees have input into what the building may look like. A building committee composed of interested users of the building, is appointed for each new structure proposed for campus. In addition, a 10-

member Faculty Planning Advisory Board, consisting of faculty representatives from different colleges and representatives from the Office of Physical Plant, meets monthly to review conceptual building designs.

This board, charged with advising the Office of Physical Plant on new buildings, significant building alterations, land use planning and reconfiguration of roads and walkways, has a daunting task: ensuring that structures harmonize and keep with the historic and aesthetic significance of the campus.

The selection of an architect also allows intended occupants or users of the building another opportunity for input. However, there are two methods for architect selection, depending on how the construction of the facility is funded.

Although both methods basically follow the same route — moving from a long list of potential designers to a "short list" of three possible architects, the University has little input in the selection process if the construction of the building is being funded by state funds. Before 1970, almost every building on the University Park Campus was constructed with state funds, including

the majority of buildings in the "core" area of campus, Mr. Ault said.

"The result of any building design is actually a complex compromise that reflects available funding, program needs, an architect's capability, site location, regulations and Penn State's established standards of quality," Mr. Ault said.

Many of the questions and criticisms surrounding building design and the appearance of existing structures on campus can be answered by looking at the period in which they were constructed. During the late 1950s and early '60s, architects were experimenting with different techniques, different building materials and different styles, according to Mr. Ault.

"Today, these buildings stick out like a sore thumb. The general public doesn't think they are appealing," he said. "But every university campus has one. It's not feasible to replace these structures. They are functional. But we are trying to help them blend with the character of the campus by tying in positive elements of their design with newer buildings and by landscaping."

In addition, the rapid growth of the University during certain periods in its history has resulted in the expansion of the central portion of campus. This expansion has meant that newer, more modern buildings must sit next to older structures that were once service buildings originally constructed on the outskirts. A prime example is the old poultry building on the University Park Campus that became surrounded by newer structures and are now being removed to allow more compatible green space to take over.

"Overall, I think Penn State is doing a fine job maintaining a beautiful campus that leaves a lasting, powerful impression on visitors," Mr. Schultz said.

## Trustees make changes in some academic programs

Penn State's Board of Trustees on July 14 learned about curriculum changes in undergraduate and graduate programs, including a new major in graphic design and photography in the College of Arts and Architecture, and a new minor in insurance and one in real estate in The Smear College of Business Administration.

The graphic design major will prepare students for careers in graphic design or photography, including acquiring the technical skills, and creative and intellectual disciplines essential to these areas. Students in the Graphic Design Option will be prepared for employment in advertising agencies, design studios, publications, film and television graphics, and for work as corporate designers. The Photography Option will prepare students for jobs in commercial photography studios and in fashion, publications, architectural, product, industrial and corporate photography.

The new minors in insurance and in real estate in The Smear College will sup-

port the core areas of finance and marketing for both business and non-business majors. The minor in insurance will provide the educational requirements to sit for professional examinations, and the minor in real estate will include all state requirements for licensing in sales, brokerage and appraisal.

Other changes in undergraduate education include:

■ **College of Communications:** The college has changed the name of the Major in Broadcast/Cable back to the major in Telecommunications to more clearly reflect changing academic and industry realities.

■ **College of Education:** The college has changed the name of the Major in Broadcast/Cable back to the major in Telecommunications to more clearly reflect changing academic and industry realities.

■ **Penn State Harrisburg:** The Major in Computer Engineering Technology has been dropped. Students interested in this area will now be able to enroll in one of two new options in

the Major in Electrical Engineering Technology: the Computer Engineering Technology Option and the General Electrical Engineering Technology Option.

■ **College of the Liberal Arts:** The Major in General Arts and Sciences is now called the Major in Letters, Arts and Sciences. The college has also dropped the minor in humanities; the content of the humanities courses will be offered under other curriculum designations.

Changes to graduate programs approved by the Graduate Council include:

■ **The College of Arts and Architecture:** The Bachelor of Architecture and Master of Science Degree in Architecture have been integrated into one program, creating a chance for academically gifted students to complete the requirements for both degrees in less time. Applicants to the integrated program must either be in the fourth year of the Bachelor of Science Degree in Architecture or qualified to be in the fifth year of the Bachelor of Architecture program.

■ **The Smear College of Business Administration and the College of Engineering:** An integrated Master's Program in Quality and Manufacturing Management is offered to better integrate engineering and business concerns.

■ **The College of Education:** A dual-title degree program in Comparative and International Education was created to build upon existing faculty expertise and complement and enhance graduate programs throughout the college. The program will help students gain knowledge of cross-national issues in education. The college is also offering a new graduate minor in Comparative and International Education.

In addition, the College of Education has changed the degree requirements in Instructional Systems, including changes to the core requirements for all programs, and the requirements of an emphasis in Emerging Technologies and Corporate Training.

## From the Trustees Docket

# Research Park development group named

President Joab Thomas announced July 13 at the Board of Trustees meeting that PSRP Developers Inc., a private corporation, will carry on the future development activities of the Penn State Research Park.

The partners are Bill Morlok of the Morlok Vernon Group (MVG), Galen Dreibebis, State College businessman and real estate developer, and Ira Lubert, managing director for two high-technology venture capital funds and president of IL Management Inc. Mr. Morlok will carry out development activities for the park, including coordinating, marketing and pre-leasing, and will administer, coordinate and manage the overall process. Mr. Lubert will be responsible for arranging financing, and will help structure all aspects of the transaction. Mr. Dreibebis will be involved primarily in preconstruction and construction management services, providing assistance with permitting, marketing to tenants and negotiating tenant improvements.

"Each of the three partners brings a variety of strengths to the venture that are highly complementary and will support a long-term association rather than a short-term joint venture that will enable consistency and continuity in the build-out of the Research Park," Dr. Thomas said. "All three are Penn State, which adds to their commitment to Penn State."

With a demand for more office and laboratory facilities, and Phase I buildings completely filled, the University announced recently that it would soon begin Phase II of its Research Park

## ABOUT THE DEVELOPERS

The Morlok Vernon Group completed the business plan for the Research Park and then carried out all development activities for the first phase. MVG is based in Philadelphia, and specializes in joint ventures and partnership development with institutions. Bill Morlok is a graduate of Penn State, where he received a bachelor's degree in architecture.

Ira Lubert is managing director for two separate high-technology venture capital funds and president of IL Management Inc., a marketing/consulting firm. In addition, he oversees the acquisition strategy for GF Management, a company specializing in the ownership and management of hospitality properties. He is a gradu-

ate of Penn State, where he received a bachelor's degree in human development, majoring in hotel management. He recently was awarded an Alumni Fellow Award by the Penn State Alumni Association.

Galen Dreibebis is a prominent State College businessman and real estate developer. He is the founder of Nittany Oil and Gas Company, the owner of Nittany Farms in Ferguson Township, a former representative to the Pennsylvania General Assembly and the developer of local properties including Rolling Ridge, Windmere Park and the Northland Center Mall. He is an Honorary Alumnus of Penn State.

Development Plan. This will be located immediately to the east of the Phase I buildings — the Technology Center Building, the Penn State Cancer Research Center Hotel and the Materials Research Institute — on approximately 12 leaseable acres that will accommodate up to four buildings totaling approximately 200,000 square feet.

PSRP Developers will lease land, install all infrastructure and begin construction on a three-story, 50,000-square-foot multi-tenant building at 101 Innovation Boulevard, which will open in late 1996. Additional buildings will come on line as required by the marketplace. Subject to the successful completion of Phase II, future buildings

and future phases of the research park will also be developed by the PSRP Partnership for a final 1.5 million square feet at the park's build-out.

The first tenant to anchor the multi-tenant building will be the National Processing Division of SRI International, which is the private spin-off of the Stanford Research Institute. "A number of other private companies are in the final stages of lease negotiations with the research park, and we will identify them as our negotiations are completed. In addition, we are also in active discussions with companies that are considering a location in Phase II to build owner-occupied facilities," Dr. Thomas said.

The development team for Phase II is comprised of EDAA, landscape architect/landscape planner; Sweetland Engineering & Associates, civil engineers; and Bohm Cwynski Jackson, architects. PNC Bank is the lead lender, providing construction and permanent financing. The University will lend up to \$5 million for infrastructure financing for Phase II and subsequent phases.

The Penn State Research Park is a 130-acre, phased development project that is an outgrowth of a program adopted by the Board of Trustees in 1967 to assist in the economic development of the Commonwealth. Establishing a research park is a long-term process that typically requires a lengthy build-out period to achieve the proper mix of tenants and has the potential to be a major source of new research, new products, new companies, new jobs and new revenues. Penn State's venture has been planned as a mixed-use development, focusing on faculty-related companies and faculty projects with industry and government.

"The Research Park is a very strong expression of the University's long-term commitment to contribute actively to the quality of life in the Commonwealth. This initiative truly celebrates the complementarity and mutual interdependence among science, research and teaching," Dr. Thomas said in conclusion. "It will be a strong magnet for progress in this state. We are now beginning to see that force at work and its impact is certain to grow."

## RESEARCH PARK PHASE I BUILDINGS

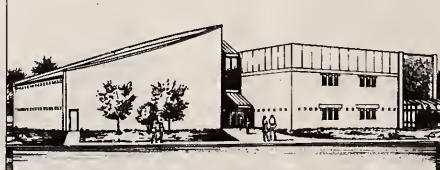
The Technology Center is home to the Research Park Management Office and all University offices related to technology transfer. These include: Industrial Research, Intellectual Property, Sponsored Programs, the Ben Franklin Technology Program, the Pennsylvania Technical Assistance Program (PENNTAP) and the Entrepreneurial Market Research Service Center that uses the marketing expertise graduate students in the Smeal College of Business Administration. On the second floor is the consolidated Chamber of Business and Industry for Centre County and its incubator program for new and established commercial tenants. The Technology Center provides an environment unique in the research park industry, offering tenants a full range of business and technical support services all under one roof.

The Penn State Scanticon Conference Center Hotel, a quarter-million-square-foot complex, is one of the most advanced and comprehensive university-based conference center/hotels in the United States. Created by the Penn State Development Partnership and Scanticon, it combines the educational and learning component of conferences with advanced meeting facilities.

Newest to the Research Park is the

Materials Research Institute, which opened fall 1994. It is equipped with clean rooms for materials characterization, surface topography and thin-film development, and is the home of the National Nanofabrication Users Network, a National Science Foundation-funded laboratory in which Penn State is a partner with Stanford, Cornell and Howard Universities and the University of California at Santa Barbara. The Institute also houses a laboratory for electron beam physical vapor deposition, an initiative with leading scientists from Ukraine that offers technology unavailable at any other university in the country.

The park is governed by the Penn State Research Park Management Corporation (RPMC), whose board comprises senior University officers and members of the University Board of Trustees. Fred Meade serves as director of the Research Park. He reports to David Siegel, president of the Research Park Corporation and senior vice president for research and graduate education. Gary Schultz, Penn State senior vice president for finance and business/treasurer, serves as the vice president of RPMC.



Artist's rendering of a proposed Biomedical Technology Center, to be located at the Fayette Campus. The Board of Trustees approved the preliminary plans on July 14.

## Fayette building plans approved

The Penn State Board of Trustees, meeting July 14 in Altoona, approved sketch/preliminary plans for a proposed Biomedical Technology Center at the Fayette Campus in Uniontown.

The center is planned as a two-story, 27,400-square-foot facility with labs and faculty offices for the biology, chemistry, physics/earth sciences and nursing programs.

The building will also house a 130-seat general science lecture hall, a classroom and a greenhouse.

The Biomedical Technology Center is designed by Altman & Altman Architects of Uniontown.

The total project budget of \$4.4 million will be funded through a state appropriation.



## From the Trustees Docket

# University committed to providing access to the disabled

Penn State is firmly committed to making its programs accessible to people with disabilities and is effectively continuing its long-standing efforts to provide program access, the Board of Trustees was told July 13.

For instance, the University is:

- Continuing its work with students, faculty and staff — through the University Access Committee and other organizations — on matters of concern to members of the University community with disabilities.

- Awaiting release of more than \$45 million in state-authorized funding for Americans with Disabilities Act-related expenditures throughout the Penn State system as part of its

1994-95 capital budget. The University has also requested funding for about \$44 million for other ADA-related projects in its five-year capital budget request.

The report on ADA-related initiatives at Penn State was presented by Brenda Hameister, director of the Office for Disability Services, and Mary Franks, ADA coordinator.

In the report, Ms. Hameister said that the University must continue its excellent record of providing program access to students with disabilities, because the number of students and employees identifying themselves as having disabilities is increasing.

Between 1980 and 1994, the number of University Park students identifying themselves as having disabilities has increased from fewer than 100 to more than 600. Between 1992 and 1994, the number of Penn State employees identifying themselves as having disabilities has increased from 37 to 97.

The number of students and employees with disabilities is probably even higher than that reported, because self-disclosure is voluntary and some persons with disabilities choose not to make that disclosure.

Ms. Franks said that Penn State's commitment to disability issues has also resulted in exemplary initiatives developed by faculty, millions of dollars of disability-related external research funds for the University, creative disability-related approaches throughout the University and improved service to the public.

"The future is a bright one for both Penn State and individuals with disabilities," Ms. Franks told the board. "Our collaborative commitment and efforts will continue to bring new research, teaching, and public service opportunities."

## Budget

continued from page 1

University's budget comes from tuition and fees as well as from restricted funds from grants and contracts, University Hospital operations and auxiliary enterprises such as The Nittany Lion Inn and Intercollegiate Athletics.

"The largest change over last year's budget is in the increase of \$22.6 million in the General Funds Budget, which is that portion of Penn State's total costs supported by state appropriations and tuition and fees. It funds the University's basic teaching, research and public service activities as well as academic and administrative support functions and the maintenance of the physical plant," Dr. Thomas said.

The state appropriation will represent just over 36 percent of the General Funds Budget, while student tuition and fees will contribute 55 percent. Other income from investments, recovery of indirect costs and departmental sales and services, will contribute approximately 8 percent. Twenty years ago, the state appropriation supported 54 percent and tuition contributed 38 percent, almost the reverse of what is occurring today.

Other expense changes in the General Funds Budget include:

- \$8.5 million in employee benefit cost increases;
- \$1.6 million in other operating cost increases; and
- \$14 million for salary adjustments and benefit costs.

Employee benefits cost increases include a mandated increase in the university's contribution to the State Employees Retirement System and a similar increase for the TIAA/CREF retirement plan also available to Penn State employees. These retirement cost increases total more than \$5 million, and together with cost increases for health care, maintenance and operation of new facilities, and fuel and utilities, the University faces more than \$10 million in unavoidable cost

## Budget process focuses on academic quality

The three-year-long University Future process of tough but necessary budget cuts and carefully chosen reinvestments will help Penn State provide increased funding for high priority needs in the 1995-96 budget, the Board of Trustees learned July 14. These will help keep the University sharply focused on academic quality.

"The hallmark of this process was the coupling of necessary budget reductions with carefully selected reinvestments," John A. Brighton, executive vice president and provost, told the board. "This selective reinvestment component of the formula is what distinguishes Penn State from many other institutions. Other universities have responded to declining resources simply by enacting across-the-board budget cuts."

Dr. Brighton said the latest are going to the colleges, with lesser portions going to academic and administrative support units. "Having the largest share of reallocations returned to the colleges is in accordance with the guiding principle of the University Future Process — academic quality as first priority," Dr. Brighton said.

Over a three-year period, the Future Process has reduced funding by \$30.8 million. This includes

\$9 million the first year and \$10.5 million the second year. For the 1995-96 budget year, it has reduced funds by \$11.2 million and selectively reallocated \$8.4 million of that funding to priority areas. Of the \$8.4 million in reallocations, the colleges will receive \$5.6 million and support units, \$2.8 million.

In addition to the \$8.4 million, nine other programs have been identified as high priorities, including information technology, academic program support, the biological sciences, library acquisitions and student aid.

All these budget enhancements would be achieved through program adjustments and internal reallocations in the University's general fund operating budget. The amount of recommended enhancements in the nine areas totals \$3.2 million.

The increases include: \$600,000 more to information technology; \$564,000 more to academic programs; \$432,000 more to biological sciences; \$300,000 more to library acquisitions.

The information technology funding will help maintain technology classrooms and support information technology. The funding for academic programs will go to important educational initiatives in the col-

leges. The biological sciences funding will enhance educational and research endeavors in that area, and the library acquisitions funding will help offset highly inflationary cost increases for books and journals.

Also included are \$100,000 each in increases for the Institute for Innovation and Learning, an effort to improve undergraduate education that will focus on communications skills, critical thinking, reading comprehension and teamwork; a new integrated master's program in Quality and Manufacturing Management, offered jointly by The Smell College of Business Administration and the College of Engineering; student activities across the Commonwealth; and major University maintenance requirements.

Student aid is slated to receive an increase of \$953,000 over 1994-95. "With the continued necessity of making modest tuition increases, we believe that student aid is a critical realm in which we need to invest our resources," Dr. Brighton said.

"Providing this financial aid will allow us to help the students most in need of assistance with their educational costs, as well as keep us competitive as an institution in recruiting the highest quality students."

The University has increased student aid funds by approximately \$1 million.

"In addition, we are seeking reductions of approximately \$4 million for Agricultural Research and Extension, which was cut at the last minute from the state appropriations process. If this additional funding is not forthcoming, we will need to make additional expense adjustments of \$1.7 million to meet the salary and

benefit cost increases in agricultural research and extension," Dr. Thomas said.

"In summary, the budget is an extremely lean one that focuses and refocuses the very limited resources available to us on clearly identified priorities," Dr. Thomas said.

"To the best of our ability, the proposed budget not only sustains, but strategically advances Penn State's academic quality within the very real constraints of the times."

## From the Trustees Docket

# Thomas honored at his last Trustees meeting

In his final meeting with the Board of Trustees, President Job Thomas was praised for renewing the University's focus on undergraduate education and for leading Penn State during its largest building and facility renovation program.

But it is his "unwavering integrity" that those who know him best were most impressed by during his tenure as Penn State's 15th President.

"I have learned much from Job Thomas," John Brighton, executive vice president and provost, said in an impromptu tribute to Dr. Thomas, who has served as president since 1990. "He is a person of integrity... unwavering integrity and he has always put the University's interests above his own." Trustee Barry K. Robinson added that it is Dr. Thomas's integrity that helped Penn State make tremendous strides in fulfilling its mission. His skill, tenacity and reputation as a "master of collegial conversation" have earned him the respect of his colleagues.

Dr. Thomas, who will retire from his post as president on Sept. 1 and turn the reins over to Graham Spanier, sat silently during the remarks to the board, but later modestly attributed his successes to his "ability to pick good people."

The legacy of the Thomas years, described by Dr. Brighton, includes the initiation of the Future

**"As President Thomas passes the baton to Graham Spanier, he will give him an orchestra that, because of his leadership, is well positioned to move to even greater levels of performance."**

— John Brighton  
executive vice president and provost

Process—a necessary step in the continued success of Penn State. It was during this process that the University had the opportunity to re-evaluate its operations and redirect its resources during tight fiscal times.

Dr. Brighton also said the parting president would be remembered for his emphasis on quality education and for reviving the focus on undergraduate education and teaching. It was during Dr. Thomas's tenure that additional rewards were created for faculty making special contributions to teaching, new technology classrooms were added to aid instruction and the Commission on Undergraduate Education was born.

In addition, Dr. Thomas worked to continue

increasing the rate of growth of research dollars to the University and helped cultivate new avenues of private support. The provost said Dr. Thomas worked diligently over the years to secure more funding for Penn State and cited the recent state budget hearings as a prime example of how he was able to work easily with key constituencies.

"I don't think it was an accident that Penn State was singled out for additional funding," Dr. Brighton said, referring to Dr. Thomas's informed and eloquent discourses with the state Legislature. Dr. Thomas, not only an advocate for Penn State but for all of higher education in Pennsylvania, was praised during the most recent budget debates for his ability to defend the need for increased funding for higher education.

Dr. Brighton spoke of Dr. Thomas doing an excellent job of preparing all of us for his successor.

"As President Thomas passes the baton to Graham Spanier, he will give him an orchestra that, because of his leadership, is well positioned to move to even greater levels of performance," Dr. Brighton said.

"We look forward to the beginning of a new era at Penn State with much gratitude to Job Thomas for leading us where we are today," Dr. Brighton concluded.

## Smeal College earns leadership rankings in two business fields

The Smeal College earned leadership rankings in recent studies of two business fields.

According to an article published in the *Journal of Business Logistics*, The Smeal College's Department of Business Logistics is No. 1, leading its nearest competitor (the University of Tennessee) by more than 100 points and nearly doubling the points earned by Northwestern University, the fifth-ranked program. The Smeal College also was rated No. 1 by more respondents to the survey.

Meanwhile, a report published in the *Production and Operations Management Chronicle* placed the college's productions and operations management faculty fifth.

According to that study, conducted by a team from the University of Utah, The Smeal College scholars—members of the Department of Management Science and Information Systems—were fifth in both the quality and the quantity of the work they published in journals in the productions and operations management field.

The survey placed The Smeal College ahead of the University of Minnesota, Wisconsin, North Carolina-Chapel Hill, Clemson and Columbia (sixth through 10th, respectively) in the quality ranking. Ohio State topped the field at No. 1. North Carolina, Clemson, Minnesota, Wisconsin and Arizona State trailed Penn State in the quantity of articles published. Michigan State was ranked first.

Both top 10 listings were dominated by business schools of the Big Ten, with five appearing in both.

The study team reviewed articles published

in 21 journals in production and operations management during the five-year period between 1989 and 1993. Ratings for business schools were based on the number of articles appearing in these journals and on weight added for the perceived quality of these journals. The study team also conducted similar rankings of individual authors.

The *Journal of Business Logistics* program rankings were based on a survey of 177 logistics and transportation educators who were asked to evaluate each logistics program's faculty, research contributions, departmental reputation, graduate curriculum, undergraduate curriculum, alumni and college or university reputation.

By those criteria, the Smeal logistics department earned 662 points, well ahead of Tennessee at 537, Michigan State University at 526, Ohio State University at 517 and Northwestern at 373. Rounding out the top 10 were Arizona State University (sixth), the University of Maryland (seventh), MIT (eighth), Iowa State (ninth) and the University of British Columbia (10th). Perennial private business school powers Harvard, University of Pennsylvania and Stanford University came in 11th, 14th and 16th, respectively.

Seven Big Ten schools appeared in the logistics program top 30 listing. Four were clustered in the top five.

The logistics rankings were compiled by a team of faculty members from Michigan State, Western Michigan University and Southern Illinois University.

## Change won't delay Jordan Center

AETNA Casualty & Surety Company has assumed responsibility from Lott Constructors of Harleysville for completing construction of the Bryce Jordan Center.

The move, which was not unexpected, will not delay the scheduled Nov. 28 completion of the center. Construction is approximately 75 percent complete and much of the remaining work is being handled by specialist contractors.

AETNA has retained Gilbane Building Company of Providence, R.I., as the construction management firm to oversee completion of general construction.

Gilbane will retain many of Lott's site managers, which will help facilitate the transition.

The Department of General Services has been in close contact with AETNA to assure that the Jordan Center will be completed by the end of November, in accordance with the progress schedule," Gary E. Crowell, state secretary of General Services, said.

The University plans to occupy the center in January 1996.

## Telethon raises \$945,808

The 1995 Children's Miracle Network Telethon, a major source of funding for the University's Children's Hospital in Hershey, raised \$945,808.

Proceeds from the telethon are used to enhance pediatric care by funding the purchase of state-of-the-art diagnostic and treatment equipment, helping to strengthen existing programs, providing health education programs for families and staff and supporting research endeavors.



# Promotions

→ Effective July 1, 1995

## Academic Rank

### TO PROFESSOR

Thomas P. Ackerman, meteorology  
Michael A. Adewumi, petroleum  
and natural gas engineering  
Edward W. Bittner, chemistry,  
McKeesport Campus  
Michael R. Baye, economics  
Danielle K. Boal, radiology and  
pediatrics, The Hershey Medical  
Center  
Robert G. Crane, geography  
Keith J. Crocker, economics  
Manuel R. Duque, theatre arts  
Amy K. Glasmeier, geography  
Kenneth C. Gray, vocational  
education  
Kathryn M. Grossman, French  
Patrick G. Hatcher, fuel science and  
geosciences  
Peter S. Houts, behavioral science  
and medicine, The Hershey  
Medical Center  
Dennis L. Johnson, surgery and  
pediatrics, The Hershey Medical  
Center  
John A. Johnson, psychology,  
DuBois Campus  
Rangachar Kasturi, computer  
science and engineering  
Thomas A. Litzinger, mechanical  
engineering  
Kathryn L. Lodwick, history,  
Allentown Campus  
William J. Mahac, humanities and  
music, Penn State Harrisburg  
Louis Milakofsky, chemistry, Berks  
Campus  
George R. Milner, anthropology  
Christopher A. Mullin, entomology  
Jane F. Mutchler, accounting  
Robert M. Owens, computer science  
and engineering  
Donna J. Pequet, geography  
Gordon E. Robinson, nuclear  
engineering  
Spiro E. Stefanou, agricultural  
economics  
Mark Strikman, physics  
James W. Travis, plant pathology  
Jose A. Ventura, industrial  
engineering  
Robert A. Walters, engineering,  
McKeesport Campus  
Jinchao Xu, mathematics

Yu-Yan Yeh, nutrition  
M. Daniel Yoder, music

### TO ASSOCIATE PROFESSOR

James E. Alcock, environmental  
sciences, Ogonitz Campus  
Ramaswamy C. Anatheswaran,  
food science  
Syed S. Andaleeb, marketing, Penn  
State Erie, The Behrend College  
Robert L. Avanzato, engineering,  
Ogonitz Campus  
Johann Baumgartner, marketing  
Aida M. Beaupied, Spanish  
Michael B. Berkman, political  
science  
Ali Borhan, chemical engineering  
Dennis R. Buckmaster, agricultural  
engineering  
Keith K. Burkhardt, medicine,  
The Hershey Medical Center  
Charles S. Cave, art  
Yohchia Chen, engineering, Penn  
State Harrisburg  
Charles M. Comiskey, political  
science, Fayette Campus  
Kim D. Cook, music  
Wayne R. Curtis, chemical  
engineering  
Richard J. Cyr, biology  
Cheryl A. Dellasega, nursing  
Peter W. Dillon, surgery and  
pediatrics, The Hershey Medical  
Center  
David A. DiPietro, art, Fayette  
Campus  
David T. Doran, accounting, Penn  
State Erie, The Behrend College  
Robert M. Edwards, nuclear  
engineering  
Douglas F. Eggl, radiology, The  
Hershey Medical Center  
Charles H. Firmin, theatre arts  
Charles R. Fisher Jr., biology  
Stephen A. Ford, agricultural  
economics  
Karen L. Freeman, journalism  
Elizabeth J. Garber, art education  
and women's studies  
Charles D. Ghilani, engineering,  
Wilkes-Barre Campus  
David S. Gilmour, molecular and  
cell biology  
Monica E. Gregory, psychology,  
Hazleton Campus  
Daniel D. Hade, education  
Jayson K. Harper, agricultural  
economics

Karen L. Hill, exercise and sport  
science, Delaware County  
Campus  
Harris E. Imadogemu, engineering,  
Penn State Harrisburg  
John J. Janowiak, forest products  
Leif I. Jensen, rural sociology  
Karen E. Johnson, speech  
communication  
Barry Kanpol, secondary  
foundations, Penn State Harrisburg  
John C. Keifer, anesthesia, The  
Hershey Medical Center  
Martha L. Kemper, theatre and  
integrative arts, Ogonitz Campus  
Richard R. Kennedy, music  
Mark S. Klima, mineral processing  
Stephen J. Knabel, food science  
Ronald E. Land, engineering,  
New Kensington Campus  
Peter J. Landschoot, turfgrass  
science  
Urs A. Leuenberger, medicine,  
The Hershey Medical Center  
James P. Lyon, music  
Norbert J. Mayr, history,  
Worthington Scranton Campus  
Glen A. Mazis, humanities and  
philosophy, Penn State Harrisburg  
Steven A. Meador, medicine,  
The Hershey Medical Center  
Mary D. Menachery, chemistry,  
Altoona Campus  
Kenneth M. Metzger Jr., chemistry  
Katsuhiko Muramoto, architecture  
Jamie M. Myers, education  
Jon M. Nese, environmental  
sciences, Hazleton Campus  
On-Cho Ng, history  
Yuk-Chow Ng, pharmacology,  
The Hershey Medical Center  
John R. Ousey Jr., environmental  
sciences, Delaware County  
Campus  
Timothy C. Ovaert, mechanical  
engineering  
Richard C. Pees, obstetrics and  
gynecology, The Hershey  
Medical Center  
David M. Post, education  
Robert D. Richards, communica-  
tions and law  
Donna M. Rogers, Spanish  
Gregory W. Roth, agronomy  
Lois E. Rubin, English, New  
Kensington Campus  
Wayne J. Sebastianelli, orthopedics,  
The Hershey Medical Center  
Jeffery M. Sharp, business law  
Barbara A. Shaw, engineering  
science and mechanics  
Madeleine J. Sigman-Grant, food  
science  
Paul M. Smith, forest products  
marketing  
John P. Sokol, engineering, Fayette  
Campus  
Stephen W. Stace, music and  
integrative arts, Ogonitz Campus  
Dan T. Stearns, landscape  
contracting  
Gunnar F. Stefansson, mathematics,  
Altoona Campus  
Robert J. Stevens, educational  
psychology  
Janet K. Swim, psychology  
Simon J. Tavenner, mathematics  
Rodney L. Troester, speech  
communication, Penn State Erie,  
The Behrend College

Tramble T. Turner, English, Ogonitz  
Campus  
David M. Wells, mathematics, New  
Kensington Campus  
Paul S. Weiss, chemistry  
Christine A. White, history  
Daniel E. Willis, architecture  
XiaoKang Yu, mathematics, Altoona  
Campus

### TO LIBRARIAN

Linda C. Friend, computer-based  
resources and services

### TO ASSOCIATE LIBRARIAN

Cynthia S. Faries, general reference  
Amy L. Paster, life sciences  
Helen F. Smith, life sciences  
Nancy M. Stanley, acquisitions  
Diane M. Zabel, general reference

### TO RESEARCH ENGINEER

D.R. Stineberg, Applied Research  
Laboratory

### TO ASSOCIATE RESEARCH ENGINEER

Jon E. Eaton, Applied Research  
Laboratory  
James P. Helferty, Applied Research  
Laboratory

### TO SENIOR SCIENTIST

Andzej Badzian, Intercollege  
Materials Research Laboratory  
Teresa Kieniewicz-Badzin,  
Intercollege Materials Research  
Laboratory

## Cooperative Extension

*Following are promotions of staff  
members in Penn State Cooperative  
Extension in the College of Agricultural  
Sciences effective July 1.*

### TO SENIOR EXTENSION AGENT

Paul H. Craig  
Gertrude F. Dougherty  
David B. Dowler  
Michael P. Fournier  
Dawn M. Olson  
Eugene W. Schurman

### TO EXTENSION AGENT

Nancy E. Grotevant  
George R. Hurd  
Winifred W. McGee  
Mary P. Miller  
Nick T. Place  
Russell D. Powell

### TO ASSOCIATE EXTENSION AGENT

Celeste A. Ball  
Susan K. Dunn  
Carolyn H. Gilles  
James R. Ladlee  
Fraser B. Zahnsier

# The ARTS

AT PENN STATE



"You Can't Take It With You" is playing at the Pavilion Theatre on the University Park Campus today through July 22 and July 25 to 29.

Photo courtesy Center for the Performing Arts

## "You Can't Take It With You"

Pennsylvania Centre Stage, the summer professional theatre at Penn State, presents "You Can't Take It With You" as its final show of the 1995 season. The comedy continues in the Pavilion Theatre on the University Park Campus.

"You Can't Take It With You" plays at 8 p.m. today through July 22, and July 25-29. Matinees are at 2 p.m. on July 22 and 29.

Carole Brandt, who served as Centre Stage's artistic director for six seasons, returns to direct the comedy.

Former head of the Department of Theatre Arts at Penn State, Brandt is currently dean of the Meadows School of the Arts at Southern Methodist University.

Tickets are \$22 for non-students, \$19 for students. For tickets or more information, contact the Eisenhower Ticket Center at (814) 863-0255.

## Student drawing exhibitions downtown

The following student drawing exhibitions are on display through July at downtown businesses.

- "Jurassic Park a la Joan Miro," "Sitedscapes a la Josef Albers" & "Sitedscapes a la Roy Lichtenstein" at Tower of Glass, 137 W. Beaver Ave.
- "Sitedscapes a la Louis Comfort Tiffany" at Woodring's Floral Gardens, 145 S. Allen St.
- "Kern Plaza a la Juan Gris" at Mode, 123 S. Allen St.

"Palmer Piazza a la Keith Haring" at Mr. Charles, 228 E. College Ave.

"Streetscape a la Edward Hopper" at Jack Harper, 114 W. College Ave.

The exhibitions are the work of students in the Visual Communication course taught by Richard Alden, assistant professor of architecture, in the College of Arts and Architecture.

## Pottery exhibition

Karen Lintner and Mary Hosterman are holding an exhibition of their works in Fattee Library's Lending Services Gallery through July 30.

Ms. Lintner's works, which include stoneware wall pieces and acrylic paintings, are representational and draw from themes found in nature. She is a member of the Potter's Guild and the Art Alliance of Central Pennsylvania and teaches art at the State College Area Junior High School.

Ms. Hosterman will be displaying ceramic containers and whimsical fish. She lives in Pleasant Gap and fires with the Potter's Guild at the Art Alliance in Lenoir.

## Berks Campus opera

Reading Civic Opera Society will present the romantic musical "She Loves Me," at 8 p.m. at the Berks Campus on July 28-30, and Aug. 2-5. For ticket information on this Berks Summer Theatre production, call (610) 320-4850.

# LECTURES

## Molecular biology symposium planned

Penn State's Fourteenth Summer Symposium in molecular biology, titled "Chromosomal Controls of Gene Expression," will take place from Thursday, Aug. 3 to Saturday, Aug. 5, on the University Park Campus.

Gary Felsenfeld, chief of the Physical Biochemistry Section in the Laboratory of Molecular Biology at the National Institutes of Health, will present the Thomas J. Watson Jr. Lecture in Molecular Biology at 7:30 p.m. on Thursday, Aug. 3, in Schwab Auditorium. This keynote address is open to the public. Also open to the public are the symposium's industry exhibits on current research directions in molecu-

lar biology and the latest biotechnology-oriented products and services. These exhibits will take place on Thursday, Aug. 3 and Friday, Aug. 4, at the Nittany Lion Inn from 2 p.m. to 5:30 p.m.

Dr. Felsenfeld is a member of the National Academy of Sciences who is an internationally renowned expert on the structure of chromatin, a complex of proteins in DNA, as it relates to the regulation of gene expression.

For more information or to register for the symposium, contact Lorene Stitzer, program coordinator, 108 Alt-house (865-2538).

## Rural issues to be discussed during Aug. 13-15 conference

A two-day conference, "The Doing of Rural Community Development: A Celebration in Honor of Kenneth P. Wilkinson," will be held on the University Park Campus, Aug. 13-15. Sponsored by the Department of Agricultural Economics and Rural Sociology, this celebration seeks to bring former students, colleagues, friends and associates together to discuss a central focus of Dr. Wilkinson's work—the conduct of rural community development.

Formal presentations, roundtables and general discussion sections are scheduled, including: "Are Small Towns in Mass Society: Powerless?" a presentation by Frank Young, of Cornell University; "Multicommunity Development Organizations: A Means to Development of an End to Community?" presented by Vernon Ryan and

Chi-In Wu, Iowa State University; a session on "Pursuing Rural Community Development in Resource-Dependent Areas," led by Rick Kranich, Utah State University; and "Sustainable Communities: An Interactional Perspective," presented by Jeff Bridger and A.E. Luloff, Penn State.

A general discussion of the future of community development will round out the conference, followed by a barbecue dinner at the pavilions on the corner of Park Avenue and University Drive.

Registration for this event is \$35. For more information or a copy of the agenda, contact the Department of Agricultural Economics and Rural Sociology, University Park, Pa. 16802, (814) 865-5461. Early registration is encouraged.

## Cybernetic marketing is conference topic

The cybernetic future of marketing will be the focus of "Transforming Marketing for the Information Age," a conference sponsored by The Smeal College of Business Administration and the Institute for the Study of Business Markets.

Under the direction of Arvind Rangaswamy, associate professor of marketing, the conference will feature a number of leading experts who will explore the latest in database marketing, sales force automation, the World Wide Web, electronic commerce and electronic data interchange (EDI).

The Aug. 10-11 event at The Penn State Scanticon will provide business executives and scholars new insights on

how leading companies are using technology in marketing. The keynote address, "The Strategic Value of Marketing Information," will be delivered by Rashi Glazer of the University of California-Berkeley. Featured speakers will include Dr. Rangaswamy; Deborah A. Buckley, Digital Equipment Corporation; Tim DiScipio, Easton Media Group; Sunil Gupta, University of Michigan; Peter E. Harvey, Chase Manhattan Bank; Nicholas T. Sorvillo, Kraft Foods; and Charles Styke, McKis User Forum.

For program information, contact Margaret Savioia at (814) 865-1869; for registration information, contact Carolyn Andersen at (814) 863-5140.



## UNIVERSITY PARK CALENDAR

## SPECIAL EVENTS

**Thursday, July 20**  
Music at Noon, Fisher Plaza. "Sale Sax" (jazz).  
Pennsylvania Centre Stage. Pavilion Theatre. "You Can't Take It With You." Through July 29. Call 863-0255.  
**Friday, July 21**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: The Spirit World."  
Ice Cream "Divisions," 7 p.m., Creamery Patio. "Tarnished Six" (dixieland).  
**Tuesday, July 25**  
Music at Noon, Fisher Plaza. Red Apple Juice (bluegrass, country, swing).  
**Wednesday, July 26**  
"Nights at the Opera," 7:30 p.m., Recital Hall, Mists Bldg. "Salome," presented by Susan Boardman.  
HUB Lawn Film, dusk. "The Finstones." Free admission.  
**Thursday, July 27**  
Music at Noon, Fisher Plaza. Red Wing (Irish & American folk).  
**Friday, July 28**  
Anthropology Film Series, noon, 219 Carpenter Bldg. "Out of the Past: Collapse."  
Ice Cream "Divisions," 7 p.m., Creamery Patio. Dixie Lions (dixieland jazz).  
**Wednesday, Aug. 2**  
Summer classes end.

## PUBLIC RADIO

**WPSU-FM 91.5**  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.  
"Piano Jazz with Marion McFarland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

## SEMINARS

**Thursday, July 20**  
Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Cunt Cuffer on "Detecting Gravitational Waves."  
**Thursday, July 27**  
Summer Seminar, 3:30 p.m., Penn State Room, Nittany Lion Inn. Min Chen on "Theoretical, Numerical, and Experimental Investigation of Water Waves."

## CONFERENCES

**Friday, July 21**  
Nutrition and Exercise, 70 attendees, The Penn State Scanlon. Through July 23.  
**Saturday, July 22**  
Men's Soccer Camp II, 100 attendees, University Residence Halls. Through July 26.  
**Sunday, July 23**  
Cherleading Camp II, 480 attendees, University Residence Halls. Through July 26.  
Field Hockey Camp II, 110 attendees, University Residence Halls. Through July 27.  
Wrestling Camp II, 72 attendees, University Residence Halls. Through July 27.  
Ag in the Classroom, 100 attendees. Through July 28.  
Ice Hockey Camp II, 100 attendees, University Residence Halls. Through July 28.  
Intercollegiate English Communication Program—Nihon University Program, 50 attendees, University Residence Halls. Through Aug. 19.

**Monday, July 24**  
Designing Quiet Structures, 40 attendees, The Penn State Scanlon. Through July 26.  
Central Boiler Plant, 26 attendees, University Residence Halls. Through July 26.  
Consumer Issues in the 90s, 15 attendees, The Penn State Scanlon. Through July 28.  
Enter 2000, 38 attendees, University Residence Halls. Through July 28.  
Modern Protective Structures: Design, Analysis, and Evaluation, 35 attendees, The Penn State Scanlon. Through July 28.  
JCLEA—Union Women, 150 attendees, University Residence Halls. Through July 29.  
**Tuesday, July 25**  
State 4-H Days, 1,420 attendees, University Residence Halls. Through July 27.  
Wastewater Symposium, 60 attendees, The Penn State Scanlon. Through July 27.  
Working with Bakhtin Today, 75 attendees, The Penn State Scanlon. Through July 29.  
CIEE Japanese Program, 40 attendees, University Residence Halls. Through Aug. 12.  
**Sunday, July 30**  
New Holland North America, 25 attendees, The Penn State Scanlon. Through Aug. 2.  
Olympic Development Soccer Camp, 150 attendees, University Residence Halls. Through Aug. 3.  
Boys' Basketball Camp, 174 attendees, University Residence Halls. Through Aug. 4.  
Credit Union Institute, 100 attendees, The Penn State Scanlon. Through Aug. 4.  
Ice Hockey Camp II, 100 attendees, University Residence Halls. Through Aug. 4.  
Lady Lion Soccer Team Camp, 100 attendees, University Residence Halls. Through Aug. 4.  
Lady Lion Soccer Camp, 100 attendees, University Residence Halls. Through Aug. 4.  
Penn State Fencing Camp, 40 attendees, University Residence Halls. Through Aug. 5.  
**Monday, July 31**  
Air Conditioning Maintenance and Operation, 26 attendees, University Residence Halls. Through Aug. 4.  
Soccer Day Camp, 90 attendees, University Residence Halls. Through Aug. 4.

## EXHIBITS

**Palmer Museum:**  
"Psalms," non-objective paintings by West Coast painter John McDonough, through Oct. 1.  
"Photographs from the Permanent Collection," 20 photographs from the Palmer Art Collection, through Jan. 14, 1996.  
**Pettee Main Lobby:**  
"The Veterans Return to Campus, 1944-50," commemorates the changes that occurred on campus as the University dealt with new students who were veterans of World War II, through July 30.  
**Zoller Gallery:**  
Master of Fine Arts Thesis Exhibition, through Aug. 4.

## TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather—234; Arts Line—345; University Calendar—456.

## BOOK SHELF

Capturing his childhood memories on paper, Siegfried Streufert, professor of behavioral science at The Hershey Medical Center, has written *Arch of Fire: A Child in Nazi Germany*. The 212-page book, published by Anna Kai Books (1995), covers the traumatic events and wistful memories of Dr. Streufert from age 5 through age 14 during wartime, including the heartbreak of watching his city burn until 97 percent of it was nothing but rubble.

For decades, said Dr. Streufert, "I drew an iron curtain around my experiences and shut them out." Several years ago, however, he was contacted by the mayor of Ralsdorf, Germany, a small suburb of Kiel and Dr. Streufert's hometown, who was writing a book and seeking information on Dr. Streufert's father. Dr. Streufert began going through files that had been untouched for many years, and as he did, the pages of his childhood reopened and his stories came alive.

Dr. Streufert's father, a member of the German parliament before Hitler's ascension to power, fought the Nazis before their takeover and was accused of being "an enemy of the people and the state."

August Streufert was active in the underground movement, transporting Jews to fishing boats in the Baltic Sea that would take them to safety in Sweden.

In the summer of 1944, his father was sent to a concentration camp. In April 1945 when Dr. Streufert was 10 years old, he and his mother received a package — his father's clothes and a note stating he died on Dec. 27, 1944.

Dr. Streufert wrote *Arch of Fire* partly for himself and partly for the rest of us because, he says, "Fifty years have now passed. Younger people today don't know what it's like." Because the book is written from a child's perspective, he hopes that schools will use it.

He feels strongly, however, that what happened in Germany could — and does — happen in other parts of the world, wherever human nature is present.

The United States and its NATO allies were caught largely unprepared by the rapid collapse of the Warsaw Pact, the sudden demise of the Soviet Union and the reunification of Germany. In his book, *U.S. Military Strategy and the Cold War Endeavor*, Stephen J. Cimbala, professor of political science, looks at security issues and the role of nuclear weapons in military strategy in the coming century.

Dr. Cimbala, a defense consultant on arms control and related topics, writes that the principal role of nuclear weapons in U.S. strategy will shift from rapid reaction forces of mass destruction to flexibly tasked and slower forces designed for last-resort retaliation. Deterrence more dependent on denial instead of punishment capabilities — characteristic of the period preceding the Cold War — will in the next century once again become the norm, according to this book published by Frank Cass & Co., Great Britain.

The book looks at the changes that will occur in both U.S. and Russian strategic nuclear forces and the imminent decline of the nuclear armed race.

Other books by Dr. Cimbala include *Uncertainty and Control: Future Superpower Strategy* (1990) and *Clausewitz and Escalation: Classical Perspective on Nuclear Strategy* (1991).

A new book, *The Last Great Victory: The End of World War II, July/August 1945*, published by Dutton, recounts what is perhaps the most significant month in modern history. The final 30 days of World War II.

"Although my book begins as the war in Europe comes to an end, its real focus is the momentous last month of the war," Stanley Weintraub, Evan Pugh Professor of arts and humanities, said. "We had no idea that the end for Japan would be that close, for surrender wasn't even in their military manuals."

So the beginning of the end came exactly one month before the war was over — in mid-July — when on the same day Truman and Stalin came to a Berlin summit to prepare the map of Europe and plan for Russia's help in beating Japan, the first atomic device was tested at Alamogordo Flats, N.M.

The Penn State global historian has written a cultural narrative that encompasses the bloody U.S. island victories in the Pacific war and goes inside the turmoil of a shattered Japan. The new book brings to life many great politicians, battle commanders and future world figures, such as John F. Kennedy as a Hearst reporter in Germany and Jimmy Carter as an Annapolis plebe.

Dr. Weintraub has written other notable histories and biographies, the most recent being *Disraeli and Long Day's Journey into War: December 7, 1941*, a widely acclaimed 50th anniversary book about Pearl Harbor.

## Awards

### Penn College names Alumnus of Year

Pennsylvania College of Technology has presented its 1995 Alumnus of the Year award to Frederick T. Gilmour III, director of the college's Instructional Media Center.

In 1966, Mr. Gilmour was among the first graduating class at Penn College's predecessor, Williamsport Area Community College. That year, he earned a certificate in technical illustration. He went on to attain an associate of arts degree in 1974 from the college, and a bachelor of science degree in art education, summa cum laude, from Mansfield University in 1983.

Mr. Gilmour has served as director of the college's Instructional Media Center since 1986. Also an assistant professor at Penn College, he instructs classes in introduction to drawing and television production, and serves on the advisory committee for the college's mass communications program.

### Staff honored for faculty support

Twenty staff members from across the University have been honored by the Office of the senior Vice President for Research and Graduate Education for their outstanding contributions and dedication in support of faculty and students.

Special citations went to four staff members:

— Kathy Barr, administrative assistant, College of Agricultural Sciences;

— Shelley Gette, assistant to the director of the Intercollege Materials Research Laboratory;

— Chris Loe, microcomputer information specialist, Research and Technology Transfer Organization; and

— Nancy Warner, staff assistant, College of Earth and Mineral Sciences.

The awards are given annually. Candidates for awards are nominated by the associate deans for Research and Graduate Studies, the directors of Intercollege Research Programs, and the department heads in the Graduate School and in the Research and Technology Transfer Organization.

## Assistant professor receives Elion cancer research award

Kristin A. Eckert, assistant professor of pathology at The Hershey Medical Center, has received the Gertrude Elion Cancer Research Award, sponsored by the American Association for Cancer Research (AACR).

The award is presented annually to a non-tenured scientist at the assistant professor level who is engaged in meritorious basic or clinical research in cancer causation, prevention or treatment.

Dr. Eckert was selected for the award because of her research proposal, "Mutagenic Processing of Carcinogen Treated DNA by Human DNA Polymerases." Her research in



Kristin A. Eckert

the medical center's Jake Gittlen Cancer Research Institute examines the biochemical details concerning

the involvement of specific human DNA polymerases in the mutagenic processing of DNA damage.

The AACR, one of the world's largest organizations of laboratory and clinical cancer researchers, created the award in honor of Nobel laureate Gertrude Elion in 1993.

Dr. Eckert joined the faculty in 1993 following a post-doctoral fellowship at the National Institute of Environmental Health Sciences.

She earned her doctorate in cancer and genetics from the McArdle Laboratory for Cancer Research at the University of Wisconsin-Madison and bachelor's degree in microbiology from Penn State.

## Liberal Arts recognizes faculty members

Recipients of the College of the Liberal Arts 1995 awards for outstanding scholarship, teaching and advising are: Lynn S. Liben, professor and head, Department of Psychology; Distinction in the Social Sciences Award: Michael Johnson, associate professor of sociology and women's studies, and Peter Schneeman, associate professor of English, Outstanding Teacher Award, Linda Selzer, instructor in English, Outstanding Faculty Adviser Award; and Cecilia Mameli, lecturer in Italian, Samuel M. Richards, lecturer in sociology, and Ann Marie Thigpen, lecturer in English, Outstanding Teaching Award for Non-Tenure Line Faculty. The awards are sponsored by the Liberal Arts Alumni Society.

Dr. Liben joined the psychology department in 1982 and became its head in 1987. Her research is in the area of cognitive development and has been supported by grants from the W.T. Grant Foundation, the National Geographic Society and the National Institute of Child Health and Human Development. Her contributions include service as associate editor of the *Journal of Experimental Child Psychology*, as president and symposium series editor of the Jean

Piaget Society, and as a member of review panels for the National Institutes of Health and the National Institute of Mental Health. She has published six books and numerous scholarly articles.

Student evaluations of Dr. Johnson place him among the outstanding teachers in liberal arts. Dr. Johnson has long recognized the diversity of Penn State's students and of the world they will enter after college, and has prepared them to do so.

Dr. Schneeman is noted for his skill in the difficult art of teaching fiction writing. A member of the faculty since 1971, he has twice served as director of the English department's undergraduate writing program. Dr. Schneeman also teaches courses on the American short story.

Ms. Selzer, director of the English department Advising Center, was recognized for her strong commitment to undergraduate advising and excellence in that role. She is the adviser to more than 100 students, about one third of them majoring in English. In addition, in recognition of her teaching abilities, she previously received the Liberal Arts Outstanding Teacher Award for Non-Tenure Line Faculty.

Ms. Mameli has taught Italian at Penn State since 1991. She coordinates the basic language program in Italian and is the faculty sponsor of Circolo Italiano, an organization for undergraduates interested in Italian language and culture. She has served as coordinator of the summer intensive program in Italian and is the faculty member in charge of the Summer Education Abroad program in Todd, Italy.

Mr. Richards, who holds a post-doctoral teaching fellowship in the Department of Sociology, has achieved success in his teaching of courses in race and ethnic relations, social inequality, urban sociology and social problems.

Ms. Thigpen has been a lecturer in the Department of English since 1976, teaching courses in business communication and technical communication. For 10 years she has coordinated the Penn State/Pennsylvania Council of Teachers of English Essay Contest, a statewide contest involving students at 1,750 public and private schools. She is a consultant and editor to businesses in the region, and is also known for her expertise on American folklore and culture.

## Hershey honors administrative assistant as outstanding office professional

Madelyn S. Snesavage is the winner of the 10th annual PSEOP Outstanding Office Professional Award.

This award is presented in recognition of an office employee who has provided exceptional meritorious ser-

vice on behalf of Penn State. Ms. Snesavage has served as the administrative assistant to the chairman of the Department of Surgery at The Hershey Medical Center since 1994.

She has been with the University

for 18 years, beginning as a patient care secretary in 1973.

From 1975 to 1979, she worked for a group of three physicians in Harrisburg before returning to the Division of Pediatric Surgery as a secretary.

Nominated by her peers at Hershey, she was cited for her professional, courteous and pleasant manner even under the most difficult circumstances.



## Awards

### Mont Alto staff members cited for service

Two Penn State Mont Alto Campus staff members were honored for their service to the campus during the 1994-95 academic year.

Andrea Christopher of Waynesboro received the Mont Alto Outstanding Service to the Campus Award, and Linda Monn of Shippensburg was given the Penn State Mont Alto Support Service Excellence Award. Both were nominated by their co-workers at the campus.

As assistant director of student affairs, Ms. Christopher is responsible for financial aid and counseling services for students. Ms. Christopher, who earned a bachelor's degree in sociology from the State University of New York at Cortland and a master's degree from Penn State, received the Pennsylvania College Personnel Association's Award for Outstanding Contribution in 1991 and served as president of the organization during the 1992-93 academic year. She also is a member of Alpha Sigma Lambda, the national honor society for students in continuing higher education, and the American College Personnel Association.

Ms. Monn, staff assistant in academic affairs, joined the campus staff nearly seven years ago. A graduate of Hagerstown (Md.) Business College, she has earned 33 credits toward an associate degree in business administration. She also is a member of Alpha Sigma Lambda.

### Lion's Paw honors Sue Paterno for notable service to University

Suzanne Pohland Paterno, spokeswoman for the Penn State Alumni Association National Service Week, a United Way campaign chairperson, founding member of the College of the Liberal Arts Alumni Association, student tutor and wife of head football coach Joe Paterno, has received the Lion's Paw Medal.

Established in 1965 by the Lion's Paw Alumni Association, the Lion's Paw Medal honors those who have contributed notable service to the University, especially by fostering its traditions.

Each year, members of the Lion's Paw senior honor society elect members for the next year based on their leadership in student activities and service to Penn State. Now an association of 700 members, the alumni group awards the medal annually. Cited as a "devoted tutor, loyal alumni leader and dedicated commu-

**She not only helped found the college alumni society, but served as a board member and president from 1975 to 1977.**

nity volunteer," Mrs. Paterno has been a volunteer since her student days at Penn State in the College of the Liberal Arts in the 1960s.

She not only helped found the college alumni society, but served as a board member and president from 1975 to 1977. She also was a member of the Alumni Association Alumni Council from 1975 to 1983 and served on its executive board from 1980 to 1983.

She currently serves on the Nation-

al Development Council and the Libraries Development Advisory Board, which she has chaired since 1994. She and Coach Paterno spearheaded the campaign that raised more than \$14 million for the addition to Pattee Library, which the trustees voted to name the Paterno Library.

She is also active in the community, having served as honorary chair of the United Way in 1994 and a member of the Pennsylvania Special Olympics Club since 1991. In addition, she helped gain visibility for the largest community service effort ever undertaken by an alumni association, when she and Franco Harris served as honorary co-chairs of the Penn State Alumni Association's National Service Week.

Mrs. Paterno's Lion's Paw Medal will be the second one for the Paterno household. Coach Paterno received the Lion's Paw Medal in 1969 and was made an honorary alumnus in 1973.

### FFA awards professor for teaching, advising

The Collegiate FFA honored Professor Erskine Cash with its Outstanding Educator Award in recognition of excellence in the areas of teaching and advising.

Dr. Cash joined the dairy and animal science faculty in 1972.

As coordinator of the department's beef cattle program, Dr. Cash uses current genetic principles and technologies to make selections and plan matings in the Penn State beef herds.

He also developed a livestock merchandising course to acquaint stu-

dents with the many facets of marketing top-quality seedstock.

Both as former coordinator of advising for the undergraduate animal science major, and as present coordinator of the department's external relations, Dr. Cash aids in the recruitment, advising and placement of students.

He has served as editor, vice-president and president of the National Block and Bridge Club. He received the College of Agricultural Sciences Alumni Society's Excellence in Academic Advising Award in 1991, the

AMOCO Foundation Outstanding Teaching Award in 1979 and the College of Agricultural Sciences' Gamma Sigma Delta Teaching Award in 1984.

He is a member of the American Society of Animal Science and serves on its editorial board.

In addition to being a member of numerous industry organizations, he currently serves as director to the Pennsylvania Cattlemen's Association and the Pennsylvania Angus Association, and as an ex-officio member of the Pennsylvania Beef Council.

### Fayette Campus names Excellence Award winners

The Penn State Fayette Campus announced winners of its 1995 Excellence Awards.

Ellen M. Laun, Division of Undergraduate Studies program specialist and lecturer in education, received the Administrative Excellence Award;

— Janet Gibson, staff assistant to the director of Development and University Relations, received the Public Service Excellence Award;

— C. Michael Comiskey, assistant professor of political science, received the Research/Scholarly Excellence Award;

— Karen L. Sidor, a nursing student, received the Scholastic Excellence Award; and

— Charles H. Wall, lecturer in English, received the Teaching Excellence Award.

Campus faculty and staff members submitted nominations for each of the awards.

### Alumni Association Information Kiosk gets top award

The Alumni Association's Information Kiosk has won an Apple Enterprise Awards Trophy for the best custom application in the Multimedia/Kiosk Education and Government category at the PC EXPO in New York City.

The University was one of nine developers honored at the first Apple Enterprise Awards ceremony, which recognizes custom, large-scale solutions implemented on the Macintosh platform.

A broad range of organiza-

tions submitted entries, including Fortune 500 companies, research and educational facilities, and a variety of federal, state and local government agencies.

The association's kiosk is installed at the Nittany Lion Inn.

### Engineering library head, reference librarian share award for TMI project

Thomas Conkling, head of the Engineering Library, and Bonnie Osif, Engineering Reference Librarian, were joint winners of the El Special Libraries Association (SLA) Engineering Librarian Award for 1995.

The librarians won the national award for the creation of the Three Mile Island 2 collection and its two Internet databases.

The award is given to an SLA Engineering Division member for a demonstrated notable or important contribution in their role as an engineering library professional or in recognition of their leadership in the field of sci-tech librarianship during the past year.

The award was established by the Engineering Division of SLA and is sponsored by Engineering Information Inc. (EI).

## Appointments

### Agricultural Sciences names associate dean

Diane V. Brown has been named associate dean in the College of Agricultural Sciences and associate director of Cooperative Extension.

Dr. Brown, who has more than 25 years experience working in extension, has been acting associate dean since Jan. 1. Previously she was director of the west region of Penn State Cooperative Extension, where she administered programs, personnel and budgets for 17 county extension offices.

In her new position, Dr. Brown will have responsibility for all Penn State Cooperative Extension efforts and will provide leadership for programs in agricultural and natural resources, community development, family living, 4-H and related areas.

Dr. Brown has worked in extension education in four states and has experience in all program areas. Throughout her career, she has been a leader in state and national professional associations and a spokesperson for extension at a national level.

She began her extension career as a home economist in Virginia and held similar positions in Maryland and in Iowa before joining Penn State Cooperative Extension in 1980. As a regional extension home economist in the nine counties in the southeast region, she led programs in family resource management, energy, equipment and food economics.

In 1983, Dr. Brown was named family living program leader for the southeast region. In 1988, she received the Ruby Award, the highest award given to a state cooperative extension professional by Epsilon Sigma Phi, the national extension honorary fraternity. In 1985, she received the Outstanding Pennsylvania Home Economist Award from the National Association of Extension Home Economists.

Dr. Brown is a member of the American Association of Family and Consumer Sciences, the National Association of Extension Home Economists and the American Association for Adult and Continuing Education. She also is a member of the Pennsylvania Association of Family and Consumer Sciences, the Pennsylvania Association for Adult Continuing Education and the Pennsylvania Association of Extension Home Economists.

She has a bachelor's degree in home economics education from Bridgewater College, Bridgewater, Va., a master's degree in family management and community development from the University of Maryland and a doctorate in adult education from Penn State.

### H&HD appoints associate dean

Lynne Vernon-Feagans has been named associate dean for research in the College of Health and Human Development.

Dr. Vernon-Feagans is professor of human development in the Department of Human Development and Family Studies; her research focuses on children at risk for developmental problems.

She is especially well known for her longitudinal research on the impact of otitis media, or middle ear disease, on children's developing attention, social and language skills. Her earlier research dealt with children at risk for learning disabilities, school failure and other problems.

Dr. Vernon-Feagans will oversee a research program that has grown by nearly 40 percent in the past five years and generated more than \$12 million in external support in 1994-95. Health and Human Development faculty conduct both basic and applied research on a wide range of health and quality-of-life issues, often working collaboratively with researchers in other disciplines within and beyond Penn State. Much of the research focuses on promoting health and preventing — as contrasted with treating — disease.

Dr. Vernon-Feagans, a Penn State faculty member since 1985, is an author or editor of five books on children's language, learning disabilities and related topics; the newest is *The Perils of School: How Children's Talk Reveals the Culture of Community and the Classroom* (Blackwell Publishers, 1995).

In 1993 she received the college's Evan G. and Helen G. Pettishall Outstanding Research Achievement Award.

She recently served on a federal panel that established standards for the treatment of otitis media in children. In addition, she is a member of the editorial board of the journal *Developmental Psychology* and has served on several study sections for the National Institute of Child Health and Human Development.

At Penn State she has been professor-in-charge of the graduate and undergraduate programs in the Department of Human Development and Family Studies, and has served as interim head of the department on several occasions.

She has a doctorate in developmental psychology and linguistics from the University of Michigan and a bachelor's in economics from the University of North Carolina. Before coming to the Penn State, she was a senior investigator at the Frank Porter Graham Child Development Center at the University of North Carolina.

### Professor joins College of Engineering

Steven L. Garrett, professor of physics in the Naval Postgraduate School, Monterey, Calif., has been named the United Technologies Corp. Professor in Acoustics in the College of Engineering. He was held a joint appointment in the Applied Research Laboratory.

Internationally known for his research in physical and engineering acoustics, Dr. Garrett's recent projects include thermal acoustic refrigeration and fiber optics sensing. He is the co-holder of 12 patents covering a range of acoustical instrumentation and fiber optics applications.

Penn State's Graduate Program in Acoustics is the largest such program in the world, with approximately 100 graduate students.

Dr. Garrett joined the Naval Postgraduate School faculty in 1982 as assistant professor of physics and was promoted to full professor in 1989. During his tenure at Monterey, he served as chair of the Engineering Acoustics Program and, in 1985, was the Rosen Visiting Professor of Solid State Physics, Technion-Israel Institute of Technology in Israel. Dr. Garrett has bachelor's, master's and doctoral degrees from UCLA in physics.

After receiving his Ph.D., he served as a research fellow in the Miller Institute for Basic

Research in Science at the University of California Berkeley and studied at the University of Sussex in Brighton, England, with an Acoustical Society of America F.V. Hunt Postdoctoral Fellowship.

A fellow of the Acoustical Society of America, Dr. Garrett has received extensive recognition for his research achievements. He twice received an R&D 100 Award from R&D Magazine, the Naval Postgraduate School Mencksen Research Award, a Popular Science Award for Environmental Technology, the Koles Award for Enterprise and the ASA Silver Medal in Physical and Engineering Acoustics.

### Assistant athletic director comes on board

Bob White, a member of both of Penn State's National Championship football teams, has been named as an assistant to athletic director Tim Curley.

Mr. White fills the position left vacant when Mr. Curley was appointed to succeed Jim Tarmann at the head of Penn State's athletic program in January 1994.

Mr. White's primary responsibility will be working with the coaching staff, the University Admissions office and the NCAA clearing house for incoming student-athletes. He also will assist the director on other special department-wide projects as assigned.

A four-year letterman at tackle, Mr. White was one of the defensive stalwarts of the 1986 National Championship team. His memorable sack of Notre Dame quarterback Steve Buerlein helped to preserve the Nittany Lions' 24-19 win at South Bend in their undefeated '86 regular season.

A native of Haines City, Fla., Mr. White went to high school in Freeport, Fla., and was a red-shirt member of the 1982 team that defeated Georgia in the Sugar Bowl to win Penn State's first national championship. Five years later, he was a defensive co-captain of the Nittany Lion squad that defeated Miami 14-10 in the Fiesta Bowl, to make it two national titles in five years.

For his career, Mr. White was credited with 140 tackles, including six for loss. He had a lifetime total of 18 quarterback sacks, which earned him a share of the No. 6 position of the Nittany Lions' all-time defensive chart.

Mr. White, who earned his undergraduate degree following the 1986 fall semester, was drafted in the sixth round by the San Francisco 49ers. He was released in training camp but had a subsequent tryout with the Cleveland Browns before electing not to pursue a career in pro football.

He joined the Penn State admissions office in 1989, serving as a counselor. In that capacity, he worked with alumni along the Eastern seaboard in the recruitment of future University students.

Mr. White earned his master's degree in counselor education during a leave of absence from his responsibilities in the admissions office. Since July 1992, he has been the director of legislative affairs in the Office of Governmental Affairs. He represents the University in Washington, D.C., on educational matters of interest.

Mr. White was recently selected by President Joab Thomas to succeed former football and basketball standout Jesse Arnette on the Big Ten Advisory Commission, which consists of 11 African-American alumnae and alumni from each Big Ten University.

Mr. White lives in State College where he is active in a number of different community projects, including the Second Mile.



Diane Brown



## Private Giving

# Accu-Weather president donates sundial for Nittany Lion Inn grounds

Joel N. Myers, University trustee and president of Accu-Weather Inc., has given the University \$33,425 for the purchase and construction of a sun dial on the grounds of The Nittany Lion Inn. The sundial is composed of weather symbols — the face of the sundial represents the sun, with the rays depicting the hours of the day. A flower arch symbolizes a rainbow and white azaleas the clouds.

"I conceived the sundial as a permanent structure on campus that will recognize the significant contributions Penn State meteorologists have made to the University, society and the nation," Dr. Myers said. "Now visitors and students will have a quiet place to enjoy the beauty of campus — weather permitting."

Designed by Richard Stauffer of RGS Associates in Lancaster, the 20-foot diameter, walk-in sundial is made of shrubs, plants, bronze and concrete. It has two benches for visitors to sit on while viewing the structure.

Dr. Myers has close ties with students. A member of the faculty from 1962 to 1981, he has helped train some of the many meteorologists educated at the University. Currently, about one in five meteorologists in the United States holds a degree from Penn State. Through Accu-Weather, he continues to provide internships to students and employment to more than 100 Penn State graduates.

Even in his choice of philanthropic projects, he has provided Penn State students with practical work experience: students in a landscape contracting planting design course installed the plant material of the sundial as part of their final project.



Joel N. Myers, University trustee and president of Accu-Weather Inc., donated more than \$33,000 for the construction of a sundial on the grounds of the Nittany Lion Inn on the University Park Campus.

Dr. Myers is founder, president and chairman of the board of Accu-Weather Inc., the nation's largest and best known commercial weather service. Established in 1962, Accu-Weather serves more than 8,000 clients in 50 states and more than 100

foreign countries from its offices in State College.

A native of Philadelphia, Dr. Myers received three degrees in meteorology from Penn State: a B.S. in 1961, an M.S. in 1963 and a Ph.D. in 1971.

## University gets \$120,000 in estate gifts

Penn State has received a total of \$120,000 in two recent estate gifts.

Alumnus Jacob Koffler left a bequest of \$76,000 to the University to endow a scholarship. The award, named in his honor, will support students with an outstanding academic record in any discipline.

Mr. Koffler received his bachelor of arts degree in education in 1936. Although trained in education, he worked as an engineer for Westinghouse in Pittsburgh until his retirement in 1985. He died in 1992.

An Abington woman left a \$50,000 bequest to Penn State in memory of her husband, Percival Rieder, who was a 1924 alumnus of the University.

Mary Taubel Rieder designated the amount to the University's general fund, which allows the University to apply the gift to areas with the greatest need.

Percival Rieder received his bachelor's degree in arts and letters from the University, and later received his law degree from Temple University Law School in 1932.

## Zurn legacy continues at Behrend College

Arlowen Zurn Todd this year begins a new era of Zurn family leadership at Penn State Erie, The Behrend College, by establishing a \$50,000 endowed scholarship to benefit outstanding students.

Ms. Todd's father, industrialist John A. Zurn, was part of a group of prominent local citizens who in 1948 asked Mary Behrend, widow of Hammermill Paper Co. founder Ernst Behrend, to donate her family's 400-acre Glenhill Farm to Penn State so that a public, coeducational, nonsectarian university could be brought to Erie. The family's legacy is also evident in the college's Zurn Building, named by the School of Engineering and Engineering Technology.

The Arlowen Zurn Todd Leadership Scholarship, approved by the Board of Trustees in January, will recognize and financially assist students who have demonstrated their leadership abilities in campus or high school organizations, or in community service groups.

Additional contributions can be made to the Arlowen Zurn Todd Leadership Scholarship by interested people or organizations through the college's Office of Development and University Relations, Penn State-Behrend, Station Road, Erie, PA 16563-0107.

## Altoona Campus surpasses \$1.5 million fund-raising goal

The Penn State Altoona Campus Campaign for Advanced Technology has surpassed the \$1.5 million goal, with a recent \$500,000 gift from Corral.

The total raised to date is \$1,629,300. This amount does not include \$220,000 in outstanding proposals not yet received, or a \$750,000 endowment from an Altoona couple to support the program in the future.

The \$2.1 million campaign to raise funds for a new engineering building began in March 1994, and includes a \$625,000 appropriation from the state in addition to the \$1.5 million the campus was to raise.

The new building, the

Ralph and Helen Force Advanced Technology Center, will house the campus's new bachelor of science degree in electro-mechanical engineering technology (BS EMET).

The 15,000-square-foot Ralph and Helen Force Advanced Technology Center will adjoin the J.E. Holtzinger Engineering Building, which houses the campus's EET and MET laboratories.

The two-story building will contain five engineering laboratories with state-of-the-art equipment, as well as an electronic classroom, specialized storage, faculty offices and a display area for student projects.

## Exxon gives \$105,300 in annual matching gift

The Exxon Education Foundation has made its annual matching gift to Penn State for academic programs in the colleges of Engineering and Earth and Mineral Sciences.

This year's check totaled \$105,300, up from last year's gift of \$94,000. This gift represents the foundation's match of gifts to the University by 85 Penn State alumni who are either employees of the Exxon Corp. or retirees.

Exxon has given more than \$3.8 million to the University since 1966, when it initiated its matching gift program to stimulate individual giving to colleges and universities.

The foundation was established by Exxon Corp. to aid education in the United States.

Its principal areas of interest are mathematics education, with an emphasis on K-3; the reform of undergraduate science, technology, engineering and mathematics education; and the restructuring of elementary and secondary educational opportunities for minorities.

## Partings

### Number of employees retire from University

Alice R. Metz, offset duplicator press operator, has retired from the Office of Business Sciences after a 33-year career that began in the College of Agricultural Services mail room and ended in Printing Services. Ms. Metz's responsibilities in the college included daily mail sorting and printing of local news media releases.

In September 1969 she became a single-color press operator for Printing Services, then moved on to operation of the two-color press.

"I really enjoyed my job and liked coming to work. Now that I'm retired, I do find that I miss the people," she said. Her greatest challenge as a press operator was the transition from the Penn State

to the mark. "Even today, when I see the Penn State shield I find myself inspecting it to see if they've matched the ink properly."

Garnetta Kimble, supply assistant, Bookstore, from Dec. 12, 1981, to June 1.

Robert S. Miller, staff assistant VI, The Hershey Medical Center, from Nov. 16, 1981, to May 28.

Otis K. Parker, boiler and maintenance mechanic, Penn State Hazleton Campus, from June 6, 1973, to June 3.

Louise M. Simondale, bakery assistant, Housing and Food Services, from Aug. 26, 1984, to May 30.

Ellen M. Trumbo, staff assistant V, College of the Liberal Arts, from Aug. 29, 1983, to May 16.

Martha T. Halsey, professor of Spanish, has retired with emerita rank after more than 30 years of service.

Dr. Halsey, considered among the top critics in the field of modern Spanish drama, came to Penn State in 1964 as an assistant professor. In 1970, she was promoted to associate professor and in 1979, earned the rank of full professor. Before coming to Penn State, she was an assistant instructor in the Department of Romance Languages for five years at the Ohio State University.

Born in Richmond, Va., Dr. Halsey graduated from Goucher College. She earned her doctorate at Ohio State University in 1964.

## Allentown CEO ends 32-year career

After 32 years as a driving force on the Penn State Allentown Campus, John V. Cooney, campus executive officer, has retired.

Mr. Cooney, who began his University career in 1963 as a part-time instructor in engineering at the campus, moved through the administrative ranks and was named dean of student affairs for the campus in 1970, and in 1974 was appointed CEO.

Well-known in the Lehigh Valley for his commitment and leadership, Mr. Cooney is a member of the Board of Governors and the Executive Committee of the Allentown-Lehigh County Chamber of Commerce and currently serves as a vice chairman. He is also acting chairman of the Industrial Development Corporation for Lehigh County and a board member of the Lehigh Economic Advancement Project. In addition, he serves as a member of the chairman's cabinet and board secretary of Lehigh Valley 2000: A Business-Education Partnership.

Mr. Cooney, active in numerous health and human service organizations in the region, is chairman of the board of the Good Shepherd Home and Rehabilitation Hospital, as well as past-chairman of the board of direc-

tors of the United Way in Lehigh County and a board member of the United Way of Pennsylvania. He serves as chairman of the board of the Adult Literacy Center of Lehigh Valley and vice chairman of the board of the Hispanic American Organization.

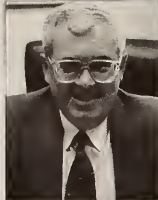
As a member of the executive board of the Minis Trails Council of the Boy Scouts of America, Mr. Cooney was recently honored by that group with the Distinguished Citizen Award for his community involvement.

Mr. Cooney received his bachelor of science degree in physics from St. Joseph's University in Philadelphia, and a master of science degree in engineering from Penn State. He began his professional career in 1960 with Allentown's Western Electric Company, where he held positions as development engineer, technical investigator and section chief. It was the death of President John F. Kennedy in 1963 that spurred him to community service.

The former CEO is well-known for his dedication to helping at-risk youth in the Lehigh Valley, and it was under his leadership that the Allentown Campus created a pre-college program to provide inner-city youngsters with a support system to help them through elementary and high school, preparing them for college.

His past memberships include the Allentown Jaycees, the Allentown Redevelopment Authority and the Kiwanis Club of West Allentown.

In his retirement, Mr. Cooney plans to continue serving the Lehigh Valley area in various capacities. He lives in South Whitehall Township with his wife, Lois. They have six children.



John V. Cooney

## Director logs more than three decades of service

John P. Mertz, director of University Photo/Graphics in Continuing and Distance Education, retired after 34 years of service with the University.

A resident of Burnham, he began his career Sept. 1, 1960, as a photographer in the University's photographic unit. He was appointed supervisor of still photography in 1968, after serving several years as assistant supervisor.

Mr. Mertz earned a bachelor of fine arts degree in photographic illustration from Rochester Institute of Technology. He worked as a photograph-

er for the U.S. Army before coming to Penn State. He is a member of the University Photographers' Association of America.

In 1991, he was awarded the Marybeth Reese Distinguished Service Award for outstanding service to the University, Continuing and Distance Education and the community. He was designated a Melvin Jones Fellow by Lions Clubs International Foundation in 1994 in recognition of his commitment to serving the world community. The fellowship is the foundation's highest honor.

An avid photographer, his photographs have appeared in numerous publications. In retirement, he and his wife, Robyn, are planning a number of trips in the United States and Europe. They have been to Europe 12 times.

They have a daughter, Heidi Welham, who earned bachelor's and master's degrees in education from Penn State, and three grandchildren.



John P. Mertz

## Spanish professor retires with emeritus status after 30 years

Martha T. Halsey, professor of Spanish, has retired with emerita rank after more than 30 years of service.

Dr. Halsey, considered among the top critics in the field of modern Spanish drama, came to Penn State in 1964 as an assistant professor. In 1970, she was promoted to associate professor and in 1979, earned the rank of full professor. Before coming to Penn State, she was an assistant instructor in the Department of Romance Languages for five years at the Ohio State University.

Born in Richmond, Va., Dr. Halsey graduated from Goucher College. She earned her doctorate at Ohio State University in 1964.

Over the past three decades, Dr. Halsey has served the University in many capacities, from her organization of conferences featuring visiting Spanish playwrights and critics, to her teaching of a wide range of undergraduate and graduate courses. She has written or edited seven books, including her pioneering 1973 critical study *Antonio Buero Vallejo* and her most recent work, *From Dictatorship to Democracy: The Recent Plays of Buero Vallejo*, published as part of the *Ottawa Hispanic Studies Monograph Series*. Her last book represents a culmination of her career-long assessment of the works of Antonio Buero Vallejo. In addition, she is the author of numerous scholarly papers.

In her retirement, Dr. Halsey will continue working in her university office, editing the journal *Cuadernos del Teatro Español Contemporáneo*, and will continue in the role of publisher of the *Estireo* Contemporary Spanish Plays Series, which she founded in 1992 as a way to promote Spanish drama in English translation.



Martha T. Halsey



# CQI

## CONTINUOUS QUALITY IMPROVEMENT

### Education Abroad team reports on academic progress

The Education Abroad Grade Equivalency Reporting (CQI) Team turned in its final report to its sponsor, John Romano, vice provost, just four months after he charged the team.

Due to the delay in receiving grades from host institutions, education abroad students often appear not to be making academic progress when in fact the actual grades, when received, indicate that academic progress has been satisfactorily maintained. This causes problems with their financial aid packages.

A CQI team was charged to find ways to eliminate the problems created by late arriving grades, which often resulted in inappropriate financial aid denial letters to Education Abroad Program students. A survey of their internal customers, financial aid staff, revealed that although the apparent lack of academic progress affects both federal and state financial aid, the majority of the customer complaints stemmed from the students' loss of the PHEAA State Grant. Thus, the team focused efforts on academic progress reporting to PHEAA.

The team identified four root causes of the problem: international programs have various academic calendars that are not compatible with Penn State's grade reporting deadlines; international mail service is not always timely; grading philosophies abroad are different from Penn State's; and sites abroad are not always informed of specific dates when grades are due at Penn State. The team determined that the only root causes over which Penn State can exercise control are delays generated by international mail service and awareness of grade reporting deadlines.

The team was able to identify two solutions: Include education abroad participants in the standard academic progress report submitted to PHEAA at the end of May and review the possibility of using the High Speed Data Line to PHEAA so there will be more frequent exchanges of student information between Penn State and PHEAA.

Team members were: Victoria Bordin, leader; Judith Burns, Teresa Dissinger, Betsy Hockenberry, Michael Laubscher, Mary Loy, Sue Wiedemer and William Farnsworth, facilitator.

If you would like more information about CQI, please contact Louise Sandmeyer, executive director, or Carol Everett, assistant director of the CQI Center, (814) 863-8721.

### Highlight on Undergraduate Education

## Good lectures key to learning

What's the single most important thing a professor should do in teaching a class? Undergraduates in business and engineering at Penn State agree: It's "giving lectures that are clear and well-organized."

Lecturing is the way most students learn," said one student who took part in a survey of more than 1,000 University undergraduates, split roughly between business and engineering majors. "I always try to take (classes with) professors who are clear and interesting and who know their material."

Clear, well-organized lectures were ranked No. 1 in the survey by 74 percent of the participating business students and by 80 percent of the engineering students. The top 10 best teaching practices identified by the students also included:

- Helping students prepare for exams by offering special study sessions;
- Collecting student feedback on a regular basis to determine what was learned, what was confusing, etc.;
- Carefully explaining course goals, expectations, grading and ground rules at the beginning of the course;
- Asking for and acting upon student suggestions for improving the course;

■ Promptly reviewing homework, exams, assignments, etc.;

■ Providing examples of "superior" exam answers, "excellent" projects and "A" papers;

■ Giving students an opportunity to revise assignments before a final grade is given;

■ Having a formal agenda (schedule of topics and topics for each class session); and

■ Incorporating group discussion activities as part of each class session.

The survey was led by a team of award-winning Penn State faculty members, including Dave Butt, Ed Reutzel, Ben Henszey and Bob Novak from The Smear College of Business Administration, and Jay Chandra, Andy Pytel, Al Soyster and Bob Melton from the College of Engineering.

A particularly interesting finding is that the importance of good lectures to the students rises dramatically as their grade-point averages increase," said Dr. Reutzel, associate professor of management science. Good lectures were ranked No. 1 in importance by 72 percent of the students with the lowest grade-point averages (from 2.0 to 2.5), he said, and by 86 percent of those with the best grades (3.5 to 4.0).

Dr. Soyster, professor of industrial engineering and head of the Industrial and Management Systems Department, noted that students with higher grades also "attach a greater value to knowing a course's goals, expectations, grading and ground rules at the beginning of the semester." They rank the practice as second in importance, compared to students with lower grades, who rank it sixth or seventh.

The faculty team, known as the IBM Master Teacher Team, was initially motivated to do the survey by an IBM grant to further the use of quality improvement principles in teaching, research and University management. (In 1992, Penn State was one of nine colleges and universities chosen to receive a multi-million-dollar competitive award to help integrate quality management principles into their curriculums and operations.)

Initially, in a pilot survey, 180 students considered a sampling of 22 teaching practices and identified the 10 best ones. Later, with the assistance of the Envisioners—a group of activist, innovative engineering majors at Penn State—the team surveyed an additional 1,000 undergraduates.

### News in Brief

#### Astronomy Open House

The Penn State Astronomy Club will conduct an open house on Friday, July 21, from 9:30 to 11 p.m. on the roof of Davey Laboratory on the University Park Campus.

The featured objects for the evening will be the planets Jupiter and Saturn and selected deep-sky objects, depending on sky conditions.

The open house is free and open to the public.

In the event of cloudy skies, observations will be attempted on Saturday, July 22.

#### Weight study

Normal weight women are needed to participate in a two-week study which is conducted by the Nutrition Department. The study involves coming into the Food Lab (108 Benedict House) for breakfast, lunch and dinner once a week for two weeks. Volunteers must be healthy, non-smoking women between the ages of 40 and 47. Participants will be compensated for their time. If interested please call Dianna Zaring at 863-8482. The principal investigator on the study is Barbara J. Kolls, professor and holder of the Helen Guthrie Chair in nutrition.

#### Cigarette smokers needed

The Department of Biobehavioral Health is looking for male and female cigarette smokers of all ages to participate in a research study. This is NOT a quit smoking study. This study requires the completion of questionnaire and cigarette smoking and carbon monoxide breath tests. Participants must come to a laboratory on campus for three separate sessions, each lasting about 90 minutes, and all participants will be paid \$15.

Eligible participants must be 18 years of age or older and cannot be making a serious attempt to quit smoking at the present time. If interested in participating, please contact either Christine or Janine from 9 a.m. to 5 p.m. at 863-0089. This study is being conducted under the

supervision of Lynn T. Kozlowski, professor and head of the Department of Biobehavioral Health.

#### Butterfly Weekends

The second in a series of three Butterfly Weekends, sponsored by the Entomology Department in the College of Agricultural Sciences, will be held July 22 beginning at 9:30 a.m. The final session is scheduled for Aug. 12 (rain dates for each session are the following Saturdays). The summer weekend series is aimed at helping butterfly enthusiasts identify, locate and appreciate butterflies, which have been on the decline in the United States.

Participants will meet in Headhouse 3 on the University Park Campus to view museum specimens and learn the basics of identification. From there, they will board a bus for a leisurely four- to five-hour day in the field looking at some of Centre County's 100 species of butterflies.

The cost for the event is \$22 per session. Although walk-in registrations will be accepted as space permits, registration prior to the course is encouraged. The program is open to those 10 years of age or older.

For more information, call (814) 863-8301.

#### Making money stretch

The student aid seminar "Student Aid: Making Money Stretch," sponsored by the Center for Adult Learner Services, will be held from noon to 2 p.m. Tuesday, July 25, and on Wednesday, July 26, from 6 to 8 p.m. in the Gallery Lounge of the HUB.

Jim Fay, financial planner, and Ro Nwarsani, student aid/admissions adviser, will lead the discussion on the application process, cost saving tips, hidden income sources and an overview of the financial aid process and sources of aid.

Anyone interested in attending should call the center at 863-3887 to register.

# Faculty meets retraining needs of business professionals

More than 47 million people will receive some type of training from their companies this year and it is estimated that 75 percent of the workforce will need significant retraining in the next decade, Penn State's management development faculty are poised to meet the challenges confronting organizations now and well into the next century," according to Sam DeWald, director of Management Development Programs and Services at Penn State.

With the world as their classroom, and professionals from Kuwait to Canada as their students, management development faculty members have changed the way more than 6,000 corporations, agencies, health care organizations and associations do business worldwide.

Created in 1915 by the Board of Trustees to assist state industries, Management Development Programs and Services has served clients in the public and private sector ever since. The highly successful program, dedicated to pro-

viding quality management and human resource education services to organizations and their members, is older than the Green Bay Packers, *Reader's Digest*, penicillin, frozen food and Einstein's Theory of Relativity.

The University recently entered into a partnership with the Ana G. Mendez University in Puerto Rico, and the faculty is delivering management development programs this summer as part of the Puerto Rico Institute for Management Excellence.

This fall, supervisors, managers and business leaders from the Commonwealth and beyond will be invited to The Penn State Scanticon to participate in two short courses presented by members of the management development faculty.

"Virtually any organization can benefit from our programs. Our clients have had as few as six employees to as many as several thousand employees. We've worked with hospitals, factories, machine shops, churches, the

United Way, IBM, Kodak, AT&T, Rite-Aid, McDonald's, E.I. duPont, Procter & Gamble, and the United States Department of Labor, to name only a few," Mr. Dewald said.

Focused initially on clients in Pennsylvania, by 1927, management development programs expanded to Europe. Today an average of 160 customized management and professional development programs are delivered annually across the United States and to the far corners of the world.

The 13 faculty members who deliver the programs combine extensive backgrounds in business with theoretical training in academe. They are dispersed throughout the state, working closely with the Commonwealth Educational System, and are easily accessible to all organizations.

Management Development Programs and Services are supported by Continuing and Distance Education.

## Penn Staters

Edward Keynes, professor of political science and currently visiting professor at the Christian-Albrechts University, Kiel, Germany, has been awarded a grant from the German Marshall Fund of the United States. This coming July and August he will co-direct the 15th International Summer Course on National Security at the University of Kiel.

Sridhar Komarneni, professor of clay mineralogy, received an award from the National Association for Science, Technology and Society for his research on "Ceramic Nanocomposites Via the Sol-gel Route."

Karl Martz, coordinator of Career Services at Penn State Harrisburg, has received the Middle Atlantic Placement Association's Outstanding Service Award. The award is presented by the organization to long-term members who have "played significant and influential roles in the growth of MAPA."

Alan Michael, extension agent in Dauphin County, has received a national award for his work in turfgrass and horticulture communications from the National Association of County Agricultural Agents.

Michael Moore, director of the American Center for the Study of Distance Education, has received the 1995 American Society for Training and Development (ASTD) International Professional Practice Area Research Award. It is presented to individuals and corporations for their leadership within ASTD, outstanding service and leadership to the human resource development professional, and research in the field of human resource development.

B. Narasimhan, assistant professor of statistics at Penn State Erie, The Behrend College, gave an invited presentation, "Bayesian Poisson Regression: Sen-

sitivity Analysis through Dynamic Graphics," at the Second International Workshop on Bayesian Robustness in Rimini, Italy.

Patricia Powley, county extension director for Dauphin County, has received the Extension Home Economist of the Year Award from the National Association of Extension Home Economists for "outstanding educational programs that show impacts on family lives."

Fay Sandsbury, assistant to the northeast regional director, and Mae Hostetter, extension agent in Armstrong County, received Distinguished Service Awards from the national association of Extension Home Economists.

Ernst Schürer, professor of German and fellow of the Institute for the Arts and Humanistic Studies, was an invited guest at the first Franz Jung-Conference hosted by the State Theater Württemberg-Hohenzollern, Tübingen, in cooperation with the State Center for Political Education of Baden-Württemberg, Bad Urach, Germany. He presented a lecture on "Economics and Revolution: The Early Plays of Franz Jung."

Vladimir M. Zatsiorsky, professor of exercise and sport science, gave an invited lecture titled "Mechanical Work and Sport Technique in Endurance Running" at the Second International Olympic Symposium "Biomechanics of Sports" in Llída, Spain.

## CONTINUING & DISTANCE EDUCATION

### Associate professor uses technology to share knowledge

Satellite technology is making it easier to share new knowledge with nutrition professionals, according to Cheryl Achterberg, director of the University Nutrition Center.

"A major goal of the nutrition field is to translate scientific information for people to use in their daily lives," Dr. Achterberg, associate professor of nutrition, said.

Instead of having a nutrition expert travel to one location to present a program, Dr. Achterberg has developed a teleconference model that enables the Nutrition Center to communicate information simultaneously to hundreds of professionals at different locations.

The teleconference model involves a combination of presentation by experts, question-and-answer sessions

where participants can talk to the experts by telephone and opportunities for hands-on application exercises under the guidance of on-site facilitators who have been trained by the Nutrition Center, she said.

The Nutrition Center's most recent outreach program taught more than 600 professionals how to conduct facilitated discussions to deliver nutrition education information.

The participants were employees in the Women, Infants and Children (WIC) program in five states: Arkansas, Louisiana, New Mexico, Oklahoma and Texas.

The new technique can be used in place of group lectures and one-on-one counseling methods WIC professionals currently use with clients.

"Facilitated discussions give consumers a chance to identify issues important to them," she said.

"This method also allows nutritionists to answer clients' questions directly and for all group members to share their own experiences with other women, which is a more empowering way to learn and to give to other women in their communities."

"Our goal for these teleconferences is to achieve lasting behavioral change by connecting theory and practice in the educational experience," she said.

Teleconference participants can then teach other nutrition professionals how to use the information and techniques they have learned."

To date, the Nutrition Center has presented four teleconferences in collaboration with Penn State Continuing and Distance Education and WPSX-TV.



Cheryl Achterberg



## New theory and equations may help the medicine go down

Mary Poppins suggested a spoonful of sugar, but a University chemical engineer says ultrasound and electric fields could be better—they may be able to help you take more medicines through your skin.

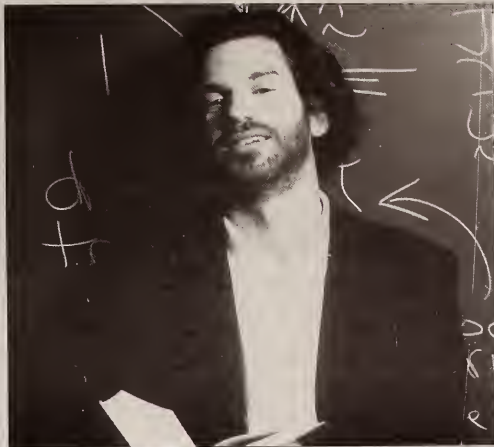
David Edwards, associate professor of chemical engineering, recently published a theory and set of equations that describe how medicine gets through your skin via the transdermal patches currently on the market, such as those for motion sickness, smoking cessation or hormone replacement therapy.

Dr. Edwards developed the equations while he held a postdoctoral position at the Massachusetts Institute of Technology. These equations are the first to be equally applicable to all types of transdermal drug delivery on the market, as well as those still on the drawing board that use assistance from ultrasound and electric fields.

Taking medicine through your skin is preferred when a drug is difficult to take by mouth or when passage through the liver would result in the breakdown of the drug. Transdermal delivery avoids the liver as well as the mouth.

Unfortunately, Dr. Edwards said, it is difficult to deliver medicine transdermally without harming the skin. Currently, there are only nine drugs on the market that use transdermal delivery.

However, using his new theory and equations, Dr. Edwards has been able to model specific processes in transdermal transport that can be enhanced by electric fields or by ultrasound. The new information should enable pharmaceutical researchers to develop formulations that allow



David Edwards, associate professor of chemical engineering, is working on increasing the success of transdermal drug delivery through use of ultrasound and electric fields.

more drugs to be delivered transdermally.

For example, Dr. Edwards and his colleagues found that the new theory and equations can predict whether electric fields will enhance the passage of specific medicines through the skin.

His recent studies have shown, for the first time, that electric fields can enhance transdermal delivery by a process called convective dispersion. Through this process, the ebb and flow of an alternating electric field can act to disperse or spread out the drug in the skin, making it more penetrable.

Dr. Edwards explains that medicines that carry an electric charge are most suited to this route. These include insulin, erythropoietin and some growth hormones.

Ultrasound, on the other hand, enhances transdermal transport via cavitation. In this process, gas trapped in the skin forms bubbles which temporarily break up the barriers to drug passage. Medicines most suited to ultrasound-assisted transdermal delivery include steroids such as prednisone or hydrocortisone and hormones such as testosterone and estradiol.

Dr. Edwards said that skin appears to be very sensitive to ultrasound. When he and his colleagues were conducting their experiments with skin samples, transdermal transport was often mildly speeded up simply by leaving the radio on.

Dr. Edwards' work on the new theory and equations was first published in the September 1994

issue of the *Journal of Pharmaceutical Sciences*. That paper, co-authored by Robert Langer of MIT, was honored recently with the 1995 Ebert Prize of the American Pharmaceutical Association for the best report of an original investigation of a medicinal substance. His work on ultrasound was published in the June issue of the *Journal of Pharmaceutical Sciences*. The paper is "A Mechanistic Study of Ultrasound-Enhanced Transdermal Drug Delivery." He will also publish another paper, "Charge Transport Through a Spatially Periodic Porous Medium: Electrokinetic and Convective Dispersion Phenomena," in the *Philosophical Transactions of the Royal Society of London*.

— Barbara Hale

### Research

## Roundup

Not all saturated fat is bad

A study suggests saturated fat in chocolate and beef lowers blood cholesterol by changing the way the liver outputs some fat and making it easier for the liver to remove it from circulation.

The findings from a University study of rat liver cells provide evidence of how the saturated fat stearic acid does not raise the cholesterol levels compared to saturated fats from palm oil and coconut oil. The researchers studied liver cells because the liver is the body's prime factory for making blood cholesterol.

"Understanding stearic acid's mechanisms may help consumers separate it from other saturated fats in terms of their effects on blood cholesterol," Yu-Yan Yeh, associate professor of nutrition, said. He oversaw the study, which was led by doctoral student T.K. Pai.

## Non-traditional families do not shortchange kids

Today's non-traditional families, with both parents juggling careers and domestic chores, are just as capable of producing well-adjusted, successful offspring as the traditional sitcom family of the 1950s.

This finding comes from University researcher Alan Booth, who says that being raised in a non-traditional family presents no handicaps to young people in terms of psychological health, educational achievement and potential as a mate and parent.

"This is not surprising in that, throughout history and across cultures, there have been various ways of organizing the family division of labor," Dr. Booth, professor of sociology and human development, said.

Dr. Booth and Paul R. Amato, professor of sociology at the University of Nebraska-Lincoln, are co-authors of the article, "Parental Gender Role Non-traditionalism and Offspring Outcomes."

Their study used data from a 12-year longitudinal study of 471 parents and their adult offspring.

## Obituaries

**Samuel D. Lewis**, extension agent, College of Agricultural Sciences; from Feb. 1, 1947, until his retirement Aug. 1, 1981; died May 24 at the age of 73.

**Mary M. McClure**, food service worker, Housing and Food Services; from Dec. 11, 1958, until her retirement Feb. 21, 1981; died May 22 at the age of 76.

**Betty M. Moore**, residence hall worker, Housing and Food Services; from April 23, 1969, until her retirement Dec. 31, 1988; died May 18 at the age of 67.

**Robert R. Reed Jr.**, professor of English, died June 1 at the age of 83.

Dr. Reed, who taught at the University for 27 years, graduated from the Choate School in Wallingford, Conn., attended Harvard College from 1930-34, and received a bachelor of arts degree in classics with honors from Pomona College in 1937. He earned his master of arts degree in English in 1946 and his Ph.D. degree in comparative literature from Columbia University in 1950.

Hired as an assistant professor at Penn State in 1950, Dr. Reed previously served as an English instructor at New York University, a teacher of both Latin and English at the Haleside School in Yonkers, N.Y. and also as a lieutenant in the U.S. Coast Guard in the South Pacific during World War II.

Author of a number of books, including *Bedlam on the Jacobean Stage*, *The Occult on the Tudor and Stuart Stage*, and *Richard II. From Macbeth to Prophet*, Dr. Reed's principal academic interests were in renaissance and dramatic literature. He also wrote more than 30 poems.

Dr. Reed was a member of the American Association of University Professors, the Renaissance Society of America and the Shakespeare Association of America. He is survived by his wife, Julia Cooper Marshall, and two daughters, Christine Harris of Miami and Rosalind R. Bruno of Silver Spring, Md.

**Russell A. Reed**, assistant professor of chemistry, the Penn State Berks Campus; from Sept. 1, 1962, until his retirement Jan. 1, 1990; died May 10 at the age of 72.

**Warren R. E. Robinson**, lab technician, York Campus; from Feb. 4, 1973, until his retirement June 29, 1985; died May 26 at the age of 72.

**Judith A. Schwarz**, staff assistant V, College of Agricultural Sciences; from Jan. 15, 1992, until her retirement June 1, 1995; died June 6 at the age of 49.

**Janis Spalvins**, manager, Facilities Planning, Office of the Physical Plant, since July 13, 1964; died May 16 at the age of 57.

**Maxwell M. Stevenson**, operations foreman, The Hershey Medical Center; from Oct. 21, 1969, until his retirement July 1, 1983; died April 28 at the age of 76.



### Divisions

Lisa Broniszewski, coordinator of computer and information systems for the Population Research Institute, enjoyed the Music at Noon presentation of the Easterly Chamber Players at Fisher Plaza during her lunch hour. The remaining Music at Noon concerts at Fisher Plaza are *Safe Sex* at noon today and *Red Wing* at noon July 27.

## Promotions

### Staff

**Lyne M. Ackerman**, data archivist in Research and Graduate School.

**Daniel C. Beard**, senior research support associate at The Hershey Medical Center.

**Kristin L. Crossland**, coordinator, reunions and homecoming activities, in Division of Development and University Relations.

**Linda J. Domovich**, clinical head nurse at The Hershey Medical Center.

**Shannon L. Fitzgerald**, staff assistant V in College of Earth and Mineral Sciences.

**Michelle B. Forgy**, staff assistant V in College of Agricultural Sciences.

**David T. Gingham**, assistant director, Food Services, in Housing and Food Services.

**Pamela P. Goldstein**, clinical head nurse at The Hershey Medical Center.

**Laurie A. Hearn**, staff assistant V in College of Agricultural Sciences.

**Michael J. Kaufman**, systems engineer II in Computer and Information Systems, Office of Administrative Systems.

**Kaye L. Keith**, administrative assistant II in Office of The President.

**Barbara L. Klinefelter**, staff assistant VIII in Applied Research Laboratory.

**Randal E. Kramkowski**, senior applications programmer/analyst in Housing and Food Services.

**Melanie J. MacKnair**, staff assistant VII in College of Agricultural Sciences.

**Michelle McMullen**, staff assistant VI in College of Engineering.

**David A. Pannebaker**, maintenance worker utility in Office of Physical Plant.

**Barbara L. Ramich**, staff assistant VI in Continuing Education, Monroeville Center.

## PENNSTATE INTERCOM

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Lisa M. Rosellini, editor  
Annemarie Mountz, associate editor  
Kathy Norris, staff assistant/calendar

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# INTERCOM

August 3, 1995

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Cadets drill past Schwab Auditorium on the University Park Campus. After basic training, Navy and Army servicemen were stationed at Penn State for special training before being sent to active duty during World War II. Photo: Courtesy of Pattee Library Penn State Room

## Campus life during World War II was far different from today

World War II dragged on longer than the American people ever expected. After the Japanese bombed Pearl Harbor on Dec. 7, 1941, general sentiment was that the war would be over in six weeks — six months, tops.

Three-and-a-half years later, on Aug. 6, 1945, the first atomic bomb used in wartime was dropped on Hiroshima — 50 years ago this Sunday.

While Stanley Weintraub, Evan Pugh professor of the arts and humanities and author of *The Last Great Victory: The End of World War II*, points to V-E Day in early May 1945 as the beginning of the end of the war with Japan, he says it was the A-bomb that furnished the sense of shock among the Japanese leadership that surrender was essential. It also gave this war-weary country a sense of relief that the killing would

stop and the end of the war really was in sight.

Before Hiroshima, roughly 80,000 Americans had died at Okinawa. Thousands more died at Iwo Jima. In the months before Hiroshima, B-29 bombers killed at least 150,000 Japanese and destroyed large swaths of Japanese cities. It was the bombing of Hiroshima and the follow-up

See "World War II" on page 3

## Sabbatical leaves benefit faculty and University

Sabbatical leaves help University faculty improve their teaching and do research that benefits their institutions, their students and the public, university representatives testified last week (July 24-25) before a state House of Representatives select committee.

Representing Penn State at the July 25 session were John A. Brighton, the University's executive vice president and provost, and Gary W. Petersen, a professor of soil and land resources and program director of the Office of Remote Sensing of Earth Resources.

In his testimony, Dr. Brighton outlined Penn State policy on sabbatical leaves and highlighted his work on a semester-long leave he took while a faculty member in the mechanical engineering department — work that led to the development of Penn State's artificial heart in 1977.

See "Sabbaticals" on page 2

## Ag Progress Days has new exhibits

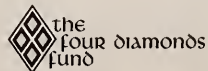
Attractions such as computer-assisted landscape design, a horticultural game show, a remote-controlled tractor rollover safety demonstration and a special area for farmers to test drive showroom-new farm equipment are just a few of the opportunities to dig into the science of agriculture at Ag Progress Days, sponsored by the College of Agricultural Sciences.

This year's theme is "Penn State Ag Sciences ... We're More Than You Think!" The event, held at the University's 1,500-acre Russell E. Larson Agricultural Research Center at Rock Springs, is set for Aug. 15-17.

Several new exhibits will highlight landscapes, lawns and gardens.

See "Ag Progress" on page 2

Inside



### Movie premiere

"The Four Diamonds," a story of a Hershey Medical Center patient's fight for life, premieres Aug. 5. See page 9.



### Research

Black light may be a key to the future of electrical engineering. See page 15.

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## Ag Progress

continued from page 1

dens, and Penn State faculty and staff will be on hand to answer questions on landscaping and home horticulture.

Tractor safety is the focus of a live-action demonstration as agricultural engineers operate a 35-horsepower, remote-controlled tractor on slopes of varying angles. By observing the tractor undergo side and rear overturns, visitors can see the cause and effects of rollovers while learning crucial safety tips.

Ag Progress Days' popular Insect Petting Zoo has been improved and expanded and the Pasto Agricultural Museum will also be open.

Storyteller Jan Kinney will perform every day at noon, as calves, lambs, goats, pot-bellied pigs and rabbits will be available for children to pet and observe at the Happy Valley Petting Farm. In addition, Shaver's Creek Environmental Center will show wildlife such as owls, hawks, turtles and snakes.

Other family-oriented exhibits include horse events, crafts, displays and food booths. Penn State's scientific work in various areas will also be highlighted daily.

Ag Progress Days features more than 500 acres of educational and commercial exhibits. Hours are 9 a.m. to 5 p.m. Tuesday and Thursday, with extended hours on Wednesday from 9 a.m. to 8 p.m. Admission and parking are free.

For more information, call (800) PSU-1010 toll-free through Aug. 17.



"More than you think"

Ag Progress Days, sponsored by the College of Agricultural Sciences, features a variety of exhibits and activities for adults and children, farmers and non-farmers alike. The event, held at the University's 1,500-acre Russell E. Larson Agricultural Research Center at Rock Springs, is set for Aug. 15-17.

Photo: Courtesy of Agricultural Information Services

## Sabbaticals

continued from page 1

"A faculty member not engaged in acquiring new knowledge is a faculty member who is out of date," Dr. Brighton told the committee, which is chaired by state Rep. John A. Lawless (R-Montgomery County). "Sabbatical leaves in our University provide an opportunity for faculty to update their knowledge, their skills and to offer a concentrated period for research and discovery."

Emphasizing the careful scrutiny with which leave requests are prepared and reviewed, Dr. Brighton outlined Penn State's stringent rules for eligibility, for granting a sabbatical leave and for evaluation afterward.

Penn State faculty members applying for sabbatical leaves must be tenured and must have served for a minimum of six years of full-time service. An application for a leave must clearly state the project's nature, significance and objectives; describe what and how the faculty member plans to do; and outline the project's tangible results. In addition, faculty must report to their department and

college on the results of the projects undertaken during sabbatical leaves.

In a given year, about 2 percent of Penn State faculty may take a sabbatical leave. They are not awarded automatically at the end of a given period of time. Penn State sabbatical leaves provide full salary for one semester or half salary for a full year.

Dr. Brighton said his own sabbatical leave in the 1970s "provided me with the transforming experience of my professional career, an experience which would not have been possible" otherwise.

It also "provided an opportunity for me to become involved in something that resulted in four of my engineering students going on to medical school, all of whom are now practicing physicians," Dr. Brighton said. "Many of the students that I worked with are now employed with companies doing research and production of medical devices."

Since Penn State developed its artificial heart, Dr. Brighton said, a group of Penn State engineers and medical doctors has developed a total artificial

heart that can be used as a bridge to a transplant—that is, for a patient who needs a transplant when no donor heart is immediately available.

The five-member House Select Committee on Higher Education last week began a series of hearings on various practices of colleges and universities with an inquiry into sabbatical leaves. Its chairman has called for ending tenure, curtailing sabbatical leaves, requiring faculty to work a full 12-month year at their current salary levels, reducing travel by university personnel, and ending tuition discounts for employees of state-related and state-owned universities (Intercom, May 25).

Also testifying at last week's hearings were representatives of the University of Pittsburgh, Temple University, the University of Pennsylvania, the 14 state-owned universities, and the American Association of University Professors.

The committee plans to hold a hearing on tuition waivers next month and another in September on teaching loads and travel.

## NEWS IN BRIEF

### Subjects needed for health study

If you are having trouble following diet recommendations for diabetes, high cholesterol or hypertension, the Nutrition Department is testing a new line of foods to meet your needs. You may qualify if you meet all of these criteria:

- Age 25 to 70 years.
- Live within driving distance of Penn State.
- Are in town for most of August through December.
- Are not on insulin.
- Are not pregnant, nursing or planning to get pregnant.
- Do not have a life-threatening illness.

If you meet these criteria, please call 865-0351 and leave your name and a phone number where you can be reached during the day. The principal investigator in the study is Penny Kris-Etherton, professor of nutrition science.

### The Biotechnology Institute plans tour

The Biotechnology Institute will open the doors of its Shared Technology Facilities to the attendees of the 14th Summer Symposium in Molecular Biology today from noon to 2 p.m. Lunch will be served in the Frear Lobby, and student guides will direct you to the laboratory sites. The facilities in the tour include:

- Biocomputing, 532 Wartik;
- Electon Microscopy, 1 S. Frear;
- Flow Cytometry, 8 Allhouse;
- Hybridoma/Cell Culture Lab, 225 Fenske; DNA Synthesis and Sequencing, 209 Wartik.

### New Play Group

An informational meeting is slated for 7 p.m. Monday, Aug. 7, in the Eastview Terrace Community Center, to discuss a new Play Group for children 2-5 years of age. The group will serve as a support for international and American mothers.

The Play Group, which will meet on Tuesdays and Thursdays from 12:30-2:30 p.m. in the Community Center, requires a \$5 registration fee. Beginning in September, mothers will take turns caring for children, with the aid of staff members from Penn State Child Care Program Services, the Office of Human Resources.

For more information on the program or if you are interested in attending the meeting, contact Gail or Janine at 865-5887.



## World War II

continued from page 1

bombing of Nagasaki three days later that ended extensive plans to invade Japan that would have taken the lives of countless American and Japanese soldiers.

The sense of relief that the war was ending was present at the University Park Campus as well. As news of the bombing trickled in, students, residents and faculty took to the streets.

"I remember a spontaneous celebration, with cars full of people going up and down the streets. I was in one of the convertibles. It didn't last too long because of gas rationing, but everybody was out yelling," said Joanne Chuckran, a 1945 State College High School graduate and Penn State student from 1945 to 1948.

"It took a while before news filtered down through the Centre Daily Times and the nightly news at 6 p.m. We didn't have instant coverage like we have today. We weren't fully aware of the damage the bomb caused either. The war was over—that's all we knew. Everybody was greatly relieved and felt it was a blessing we didn't have to invade Japan because all of our troops had been poised to make that attack," she said.

What was it like to be at Penn State in the early to mid-1940s?

### University plans exhibit

The Palmer Museum of Art will feature the exhibit "Hiroshima: Photographs by Wayne Miller" from Sept. 19 to Dec. 17.

Mr. Miller was a member of the Navy Photography Unit during World War II and one of the first photographers allowed into Hiroshima after the atomic bomb was dropped on Aug. 6, 1945. His photographs are eloquent reminders of the physical and human devastation of the first atomic bomb.

Navy units drilled through campus. Fraternity houses were filled with Navy cadets instead of fraternity brothers. Residents lined College Avenue for troop parades. Young co-eds formed a letter-writing organization to cheer the boys overseas.

"We had more men around here than most towns," Mrs. Chuckran said. "Most everyone had gone to war but State College still had a good many men

during the war because of all the servicemen stationed here."

The men were V-5 Navy Air Corps, V-12 Navy and Army Air Force servicemen who came to Penn State after basic training for some special training before being shipped out. They were on campus an average of three to six months before they would rotate out.

"It was a great way for the military services to train their people. It was much cheaper to send their people to college campuses than to try to build their own programs," Mrs. Chuckran said.

The *Collegian*, which published weekly, featured a regular column on the Navy's V-12 Unit. Items covered included duty changes, barracks parties and the "Sailor of the Week."

The war had an effect on enrollment, too. The exodus of teen-age students from the classroom to wartime jobs was the focus of a study by C.C. Peters, professor of education. Quoted in the July 20, 1945, *Collegian*, Dr. Peters said, "The war has forced schools to do what they should have done a long time ago—provide practical work experience in the midst of formal education." Dr. Peters suggested that special classes be provided for the thousands of students desiring to return to classrooms when war industries folded, and conver-



Ruthmarie Fox, left, Barbara C. Stocker, Betty Luchtermeyer, Eleanor Casseberry, Emily Shank, Margaret Griffith and Margery Baker were among the University co-eds who were members of Letter Writing Hour, a group organized during World War II to write letters to GIs.

Photo: Courtesy of Pattee Library Penn State Room

## Penn Staters visible in World War II

It's said that no matter where you go, you'll find a Penn State. This was true even in Europe and Asia during World War II. The *Alumni News* issue of July 1945 recounts stories of alumni meeting in German prison camps, and of two former *Collegian* editors who edited an aircraft carrier's newspaper.

Penn Staters also make several appearances in *The Last Great Victory: The End of World War II*, written by Stanley

Weintraub, Evan Pugh professor of arts and humanities.

Although Dr. Weintraub didn't identify them as faculty, staff or alumni, he managed to work in several men with Penn State connections: Lt. Hays Gamble, who flew bombing missions over Japan; Maj. Ed Buss of the 101st Airborne; Pvt. Michael M. Dembo of the 1126th Combat Engineers; Ensign Charles Hosler, assigned to a reconnaissance plane for typhoon spotting in Guam; Pvt.

Herschel Liebowitz; Pfc Martin Berkowitz, in training for the invasion of Japan; and OSS geographer E. Willard Miller.

"They're not the great heroes of the book, but they add color to it," Dr. Weintraub said. "When I started working on the book, I put a notice in the *Penn State* and asked former Penn State people if they would let me know where they were and what they were doing at the end of the war. I got a bunch of letters from people about it."

sion of the wartime system into a long-range program.

As Dr. Peters released his study, the students did begin to return. As of July 1945, regular civilian students enrolled in the summer semester numbered 1,601. While this was down nearly 50 percent from spring semester, it was higher than that of summer 1944. According to the *Collegian*, most of the summer students were Pennsylvania school teachers here for special courses.

Advanced freshmen enrollment was also up for fall semester 1945, although 477 of the 627 students were women. Because of this, Registrar William S. Hoffman announced it was necessary for him to refuse all applications from women students. Applications from men were still being accepted, and soldiers began their influx.

"The boys are coming back" from Europe, the *Alumni News* reported in its July 1945 issue. Many of the returning soldiers paid a visit to their Alma Mater upon their return to the United States. And many of them returned to campus as undergraduate or gradu-

ate students under the newly enacted GI Bill.

"Lots of GIs returned. Without the GI Bill I wouldn't have been here," Roy Buck said. Dr. Buck, an English professor in the late 1940s, got his undergraduate degree in 1942 and returned for his graduate degree in the fall of 1945. Like many others, he lived in Nittany Barracks, temporary housing built across Bigler Road from Pollock residence halls to accommodate the great influx of returning soldiers after the war.

With World War II over, University students looked forward to a more normal campus experience: a surge in enrollment, activities not related to war—and a winning football team. Coach Bob Higgins planned to build his 1945 team around fullback Ralph Ventresco, who had served in the Army and saw action in Africa, Sicily, Southern France and Germany. He was one of many ex-servicemen who became members of the 1945 squad. In addition, six sports discontinued during the war were resumed.

—Annemarie Mountz

# University continues accessibility progress

## Reaffirming our commitment

On Aug. 2, the Americans with Disabilities Act celebrated its fifth anniversary. The act, aimed at helping any of the estimated 49 million people with disabilities in this country, was another step toward equity. Here, President Joab Thomas reaffirms Penn State's commitment to complying with the act.

With the passage of the Americans with Disabilities Act of 1990, The Pennsylvania State University has had numerous opportunities to reinforce its long standing commitment to making its programs, services and activities accessible to individuals with disabilities. In keeping with the University's mission of teaching, research and public service, Penn State completed an ADA self-study during 1993-94, in which more than 1,700 University employees, including senior administrators, faculty, staff and students, participated in 73 research opportunities related to disabilities. This approach has led to new improvements to previous practices, collaboration between various disability advocacy groups and affiliates, and renewed commitment to service to the public, both with and without disabilities. Penn State will use the data obtained in the self-study to continue its compliance with both the spirit and the letter of the law, and ongoing ADA educational programming for faculty, staff and students will continue to be a priority.



Finishing curb cuts for wheelchair access near the corner of Curtin and Bigler roads are Charles Boonle (left) and Bob Conway, from the Office of Physical Plant.



Mark Porter measures drywall for renovation of the first floor restroom facilities in the HUB on the University Park Campus.

Photos: Greg Grieco

## Barrier Removal Projects

### University Park:

- Boucke — pathway, entrance door, signage (being designed);
- Burrows — curb cuts;
- Burrows — restrooms, signage (being designed);
- Business Administration — restroom, signage (being designed);
- Cedar — power door opener in lobby (on order);
- Curtin Road — curb cuts near Shields Building;
- Eisenhower Chapel — power door opener (in design);
- HUB — restrooms, signage (work in progress);
- Kern — restrooms, signage (being designed);
- Old Main — restrooms;
- Osmond — restrooms, audio/visual signals, elevator controls, signage;
- Pollock Mall — Tactile warnings;
- Rackley — restrooms, audio/visual signals, signage;
- Recreation Building — restroom signage;
- Shields — restrooms, elevator controls, signage;
- Sparks — restrooms, entrance doors, signage;
- Undergraduate Library — restrooms, ramps, signage;

- Wagner Building — restrooms, install audio/visual signals, signage;
- Wagner Building — West entrance pathway and signage (completed); restrooms, installation of audio/visual signals, signage;
- Willard — ramps, restrooms (work in progress);

### Other Locations:

- Abington-Ogontz Campus — elevator in Sutherland Bldg. (in design);
- Abington-Ogontz Campus — four restrooms for Sutherland Building (in design); elevator;
- Abington-Ogontz Campus — entrance to Woodland Building;
- Behrend College — Misc. projects
- Mont Alto — replace entrance doors, install ramp to General Studies and Student Services Annex;
- Fayette Campus — entrances to library, Williams and Eberly buildings;
- Schuylkill Campus — access to Classroom Building;
- Schuylkill Campus — Administration Building restrooms;
- McKeesport Campus — ramp to Buck Union Building

## DuBois Campus begins improvements on Hiller Plaza

Construction has started on improvements to the Hiller Plaza area at the Penn State DuBois Campus.

Workmen began the process of replacing the retaining wall, ramp and plaza surface between the Hiller and Swift buildings, and the side-

walk connecting the plaza and the faculty/staff parking lot off College Place.

These improvements will increase overall accessibility to campus facilities in addition to helping ensure a safe campus environment.

The plaza will remain closed during the construction period, which is expected to run through September.

During this time, all campus programs, services and activities will continue to operate as usual.

Anyone with disabilities who anticipates needing any type of accommodation or has questions about the physical access provided, should contact the business office at (814) 375-4710 in advance of their visit.



## Appointments

### Allentown gets acting CEO

Eugene R. Slaski, academic officer and associate professor of history at the Penn State Allentown Campus, has been named acting campus executive officer of the campus.

Dr. Slaski has been an associate professor at the campus since 1979, an assistant professor of history at the campus between 1972-79 and an instructor of history between 1970-72. Previously he taught at Florida State University, in the Allentown Campus' continuing education program and at Liberty High School, Bethlehem.

He has written *Poorly Marked and Worse Lighted: Being a History of the Port Wardens of Philadelphia, 1766-1907* and *Thomas Willing: Moderation During the American Revolution*, and edited *I Feel Like I'm Fixin' to Die: The Letters and Remembrances of Vietnam Marine Sgt. Andrew Lewandowski*, a collection of letters and audiotapes in the oral history collection at the Marine Corps Historical Center in Washington, D.C. He is currently writing *I Feel Like I'm Fixin' to Die: A Study of One Vietnam Marine's Experiences with Vietnam and Post-Traumatic Stress Disorder*, based on the materials in the Marine Corps collection.

Dr. Slaski has also written several scholarly articles and papers about Willing, a Philadelphian who voted against the Declaration of Independence in 1776 but eventually embraced the Patriot cause.

An expert in Pennsylvania history and the Revolutionary War, Dr. Slaski also was academic project director for "Penn's Dream," a WPSX-TV video presentation on the tricentennial of the Pennsylvania colony.

He served on the education task force of Historic Bethlehem Inc., in 1974 and 1975.

Dr. Slaski is currently a member of the Allentown Campus Advising Team and Allentown Campus Faculty Senate and a former member of the University Faculty Senate. In 1972-73 he chaired the campus' Academic Affairs Committee. He has chaired many task forces and committees, including the Campus Senate Task Force on Academic Diversity, 1990-91, the Campus Strategic Planning Committee on Academic Programs, 1989-90, and the Campus Strategic Planning Steering Committee, 1989-1991.

He holds a Ph.D. in history from Florida State University, a master's degree in history from Lehigh University and a B.S. degree with honors in secondary education (a double major in social studies and English) from East Stroudsburg State College.

### Smear College appoints two

Kenneth M. Lush and Glenn A. Pitman have been appointed to new positions in The Smear College of Business Administration.

Dr. Lush, chair of the Department of Insurance and Real Estate, will serve as the college's associate dean for research and director of doctoral and M.S. programs. Dr. Pitman, director of the MBA program, will be the college's new associate dean for professional masters programs.

In his new capacity, Dr. Lush succeeds Paul H. Ripby, who retired from the University after more than 30 years of service. He will be responsible for overseeing The Smear College's Division of Research, an umbrella organization supporting the college's nine centers and institutes of research. He will also oversee the college's doctoral and master of science programs. Recently revamped, the doctoral program serves

more than 80 students across five primary fields of study; 21 students are enrolled in the master of science program.

Dr. Lush joined The Smear College faculty in 1973 and was appointed chair of the Department of Real Estate and Insurance in 1989. A professor of business administration, he is cofounder and director of the Institute for Real Estate Studies and academic program director of Continuing Education Programs in real estate. He is a fellow of the American Institute, has served as a faculty associate of the Lincoln Institute of Land Policy and is a trustee of the Appraisal Foundation.

The post to be filled by Dr. Pitman is a new one for The Smear College. As associate dean for professional masters programs, not only will he oversee operation of The Smear College's nationally recognized MBA Program, but proposed new master's degree programs such as the QMM degree (Quality and Manufacturing Management, with the College of Engineering), the five-year science/business B.S./M.B.A. program (with the Eberly College of Science), and the MBA-MHA joint-degree program (with the College of Health and Human Development).

Dr. Pitman, also a professor of business administration, joined The Smear College as director of the MBA program last year. The program serves some 275 students and has been consistently rated among the top 40 programs in the nation by leading survey.

Dr. Pitman previously served as dean of the F.E. Seidman School of Business at Grand Valley State University and as dean of the School of Business at the University of Southern Indiana. Before that he was assistant dean for graduate programs at the University of Connecticut and an assistant professor of marketing at West Virginia University. He has been president and vice president of the Mid-Continental East Business School Deans and has been active in the Graduate Management Admissions Council, having served as trustee and chair of the test committee, as well as acting in other capacities.

### Hershey gains specialist

Dr. Diane E. Schuller has joined the faculty of The Hershey Medical Center as chief of the Division of Allergy, Immunology and Pulmonology and professor of pediatrics.

Dr. Schuller received an A.B. degree in biology from Bryn Mawr College in 1965. In 1970, she received an M.D. degree from the State University of New York Health Science Center at Brooklyn.

She served in a pediatric residency at Roosevelt Hospital, Columbia University, New York, from 1970-1972 and also served in an allergy and immunology residency at the R.A. Cooke Institute of Roosevelt Hospital from 1972-1974. She was a visiting clinical fellow in pediatrics at the College of Physicians and Surgeons of Columbia University from 1974-1974.

Dr. Schuller served as director of the Department of Pediatric Allergy, Immunology and Pulmonary Disease at Geisinger Medical Center from 1979 before joining the medical center. She had been at Geisinger since 1974. While there, she also served as clinical professor of pediatrics at Thomas Jefferson University Medical College, Philadelphia, from 1989-1995, and a clinical associate professor of pediatrics at Hershey from 1983 to 1988.

She is currently president of the American College of Allergy, Asthma and Immunology and holds membership in a number of professional societies and organizations. She also serves on the editorial boards of *Annals of Allergy and Pediatric Asthma, Allergy, and Immunology*.

### Development director named

William W. Speakman has been named director of station development for WPSX-TV and WPSU-FM. He will be responsible for all community-based fund-raising activities for the two services.

WPSX-TV, Channel 3, serves a 29-county area in central Pennsylvania and WPSU-FM currently operates three radio transmitters in Altoona, State College and Kane.

Previously, Mr. Speakman served as the director of development for Youth Education In The Arts Inc. (YEAI) in Berghel, N.J. The YEAI and its flagship program, The Cadets of Bergen County, are generally accepted to be the finest marching music performing and educational organizations in the world. In his position as director of development, he was responsible for managing the fund-raising operations, special events and merchandising. Before joining YEAI, he served as past president of the board for The Cadets of Bergen County Inc.

Mr. Speakman has been a resident of State College for more than 20 years and was vice president of Snavely Vidmar & Associates in State College from 1985 until 1992. He has also been active with the Lady Lions Caper Club and with the Central Pennsylvania Festival of the Arts. He is a graduate of Slippery Rock State College.

### Campus nursing coordinator named

Suzanne Kuhn has been appointed campus coordinator for the associate degree program in nursing at the Penn State Altoona Campus and will oversee the new program being offered at the campus starting this fall.

Ms. Kuhn comes to the campus from positions as a nurse educator at Mercy Regional Health System, instructor at Altoona Hospital School of Nursing, adjunct nursing faculty at Mount Aloysius College and visiting nurse with the Home Nursing Agency.

She earned an M.S. degree in nursing in 1989 from Indiana University of Pennsylvania and holds a B.S. in nursing from St. Francis College. Ms. Kuhn has specialized in pediatrics, has certification as a pediatric nurse from the American Nurses Credentialing Center, and is a Certified Staff Nurse Instructor. She is a member of Sigma Theta Tau, the international honor society of nursing.



Glenn A. Pitman



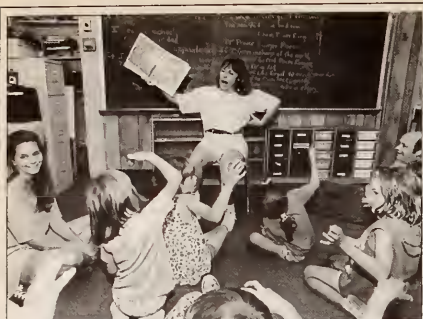
William W. Speakman



Kenneth M. Lush



Suzanne Kuhn



In the community

Matterville Elementary School teacher Lynn Dobash reads a story as student Amy Wanner and teaching assistant Mike Fopelanger join in. This summer marks the beginning of a College of Education-State College Area School District collaboration in which Penn State's elementary education students and faculty work with teachers at Matterville Elementary School to improve instruction for children. University faculty and students joined Matterville teachers to design and deliver a five-week summer reading camp for kindergarten, first- and second-graders at the school.

Photo: Greg Grieco

## Faculty/Staff Alerts

### New name for Ogontz Campus

In its July meeting, the Board of Trustees agreed to change the name of the Penn State Ogontz Campus to the Penn State Abington-Ogontz Campus, effective immediately. The change was made to more accurately reflect the campus' location in the small community of Abington.

### Diversity Calendar now available

Any faculty or staff member who does not receive the Penn State Diversity Calendar but would like to should contact Shannon Hoover, 330 George Building on the University Park Campus, at (814) 863-8493 or by e-mail at SQH7@psu.edu.

The Diversity Calendar, sponsored by the Office of the Vice Provost for Educational Equity, is published monthly. Entry cards are available for your individual calendar submissions and must be submitted on or before the 7th of the month preceding publication. For example, the September submission deadline is Aug. 7. If you have questions, please contact Shannon.

### Easy access to SPEC

University job specifications developed as part of the Staff Position Evaluation and Compensation (SPEC) program can now be accessed through several IBIS browse screens. If you do not have direct access to IBIS, the Human

Resources representatives at University Park and the directors of Business Services at other campus locations have IBIS access.

Under the SPEC program, there are approximately 1,300 job specifications, compared to the more than 5,000 job descriptions before the SPEC program was implemented. The reduction in the number of job specifications provides more consistency across units and Penn State locations.

SPEC listings include a job title, grade, description of general functions, as well as the minimum degree of education and work-related experience required for the position.

To access SPECs on IBIS:

- 1) Sign onto IBIS
- 2) Select IBIS ADMIN MENU
- 3) Type M2HR (HR Systems)
- 4) Type M4BJ (Browse job descriptions menu)
- 5) Type either BAJT (Browse by job title) or BAJN (Browse by job number)
- 6) On "Next Key" line, type in either the first few letters of a title, or the job code number.

7) A list of jobs will appear on screen. Place the cursor anywhere on the line of the job SPEC you want to view and hit the PF5 key.

If you have any questions about SPEC or individual position descriptions, contact your Human Resources representative.

## Penn Staters

Nancy M. Cline, dean of the University Libraries, was one of 15 leaders from the nation's largest research libraries and archives and the Commission on Preservation and Access to sign an agreement pledging collaboration in establishing a National Digital Library Federation.

Members of the federation, collectively responsible for hundreds of millions of cultural, scholarly and historical resources, agreed to cooperate on defining what must be done to bring together digitized materials. These items will be made accessible to students, scholars and citizens.

A primary goal of the federation is the implementation of a distributed, open digital library accessible across the Internet.

L. Eric Cross, Evan Pugh Professor of electrical engineering at the Intercollege Materials Research Laboratory, has been awarded a Certificate of Appreciation by The American Society of Mechanical Engineers Aerospace Division in recognition of "his demonstrated leadership and significant contributions to the advancement of the sciences and technologies associated with adaptive structures and materials systems."

Anthony Cutler, research professor of art history in the College of Arts and Architecture, presented guest lectures at the Collège de France and the Académie des Inscriptions et Belles-Lettres, a constituent part of the Académie Française in Paris.

At the Collège de France, Dr. Cutler discussed the Consular diptychs, huge carved slabs of late Roman and early Byzantine ivory. His lecture topic at the Académie was "Gift Exchange between Byzantium and Islam in the Ninth and Tenth Centuries."

Dr. Cutler, a visiting fellow in the Department of Art and Archaeology at Princeton during the spring 1995 semester, was also awarded the Francis I Medal from the Collège de France for his work on Byzantine studies.

Edward Keynes, professor of political science and currently visiting professor at the Christian-Albrechts University, Kiel, Germany, has been awarded a grant from the German Marshall Fund of the United States. This coming July and August he will co-direct the 15th International Summer Course on National Security at the University of Kiel.

Donald W. Leslie, associate dean for undergraduate studies in the College of Arts and Architecture and associate professor of landscape architecture, has been elected president of the American Society of Landscape Architects.

John H. Pazur, professor emeritus of biochemistry and molecular biology, has been appointed to a three-year term on the editorial board of *Analytical Biochemistry*, an international journal for the biological sciences. The journal is published by Academic Press.

Jorge Pullin, assistant professor of physics, recently visited the Instituto de Física at the University of Guanajuato in Mexico, where he presented the Marcos Mosinsky Lecture, titled "Black Hole Collisions with Pencil and Paper."

C. R. Rao, professor of statistics, holder of the Eberly Family Chair in statistics, and director of the Center for Multivariate Analysis, recently returned from Spain where he presented several talks while visiting the University of Barcelona. The titles of his talks were "Estimation Using Difference of Two Covariance Functions" and "Use of Hellinger Distance in Representing Two-Way Data: An Alternative to Correspondence Analysis."

Dr. Rao also traveled to the University of Sevilla and presented a talk titled "Statistics: The Art of Making Figures Speak."

Barry E. Scheetz, professor of materials, and Michael R. Silsbee, senior research associate and associate professor of materials, of the Intercollege Materials Research Laboratory, have received a commendation and medal from Col. Michael A. Lindquist, commander, Tobyhanna Army Depot, on behalf of Maj. Gen. Dennis L. Benchoff, commander, U.S. Army Depot Systems Command, for their beneficial reuse of the depot's fly ash in mine land remediation projects.

Ernst Schürer, professor of German and a fellow of the Institute for the Arts and Humanistic Studies, gave an invited talk, "Georg Kaiser and Bertolt Brecht," at the annual meeting of the Literaturverein Georg Kaiser in the Gerhart Hauptmann-Museum, Erkner, Germany. He also presented a lecture on "Georg Kaiser's Nebeneinander as a Paradigm of the Culture of the Weimar Republic" at a colloquium in Magdeburg, Germany.

Patrick Terenzini, senior scientist in the Center for the Study of Higher Education and professor of education policy studies, has received the Award for Outstanding Contributions to the Profession from the Pennsylvania College Personnel Association.

Bruce Trinkley, associate professor of music in the School of Music, has been honored with a four-week residency fellowship at The Hambro Center in Rabun County, Georgia.

In addition, Mr. Trinkley, who is in his 25th year as director of the Penn State Glee Club, has composed a musical tribute for the State College centennial celebration in 1996. "Mountain Laurels" sets to music 49 poems written by 17 State College authors.

Beno Weiss, professor of Italian, participated in the international symposium titled "Italo Calvino: New Visions," commemorating the 10th anniversary of Calvino's death, in Spain at the University of Castille-La Mancha. The title of Dr. Weiss' paper was "Palomar and Calvino's pathos of distance."



## Private Giving

## EMS receives estate gift worth \$121,000

The University has received \$121,000 from the estates of George H. "Bro" Todd and his wife, Madeleine, to establish a scholarship in the College of Earth and Mineral Sciences. The scholarship, named in honor of the couple, will be awarded to students majoring in metals science and engineering.

Mr. Todd received a bachelor of science degree in metallurgy from the University in 1928. The Todds were charter members of the Obelisk Society, an organization that honored benefactors of the college, and members of the Mount Nittany Society, an honor reserved for Penn State's most generous benefactors. In 1961, George Todd received the David Ford McFarland Award for excellence in the field of metallurgy.

He was a retired works manager

for Armo Inc. in Parsippany, N.J.

The Todds funded the scholarship with gifts from their trusts and the balance with the remainder of an earlier contribution to Penn State's Pooled Income Fund.

The fund is an income-producing gift plan in which a benefactor makes a gift of cash or securities with a minimum value of \$5,000 while retaining a lifetime income interest in the gift.

All such gifts to the fund are pooled together and managed by Penn State's asset manager.

Benefactors receive a quarterly income determined by the performance of the fund.

Upon the death of the benefactor and/or other beneficiaries, Penn State receives the remainder to apply to the program, college, or campus designated by the benefactor.

## Attorney endows scholarship

Harrisburg attorney Frank A. Sinon has given the University \$100,000 to endow a full-tuition scholarship for students from his home town of Austin, Potter County.

The scholarship will be awarded to students from Austin Area High School who have demonstrated academic excellence and financial need. The award will be renewed annually, provided recipients maintain a minimum 3.0 grade point average.

Mr. Sinon received his bachelor of arts in commerce and finance in 1932 from Penn State, and his law degree from Dickinson School of Law in 1936. As a Penn State student, he was a member of Blue Key, Skull and Bones and Phi Kappa Sigma social fraternity, and a manager of the soccer team. He is a life member of the Alumni Association.

In 1976 he retired as a managing partner of Rhoads & Sinon, where he had practiced law since 1946.

During his career, Mr. Sinon was admitted to practice at the Pennsylvania Supreme Court, the Third Circuit Court of Appeals and the Federal Middle District Court of Pennsylvania. He is a past president of the Dauphin County Bar Association and a member of the Pennsylvania Bar Association.

Mr. Sinon is married to Dorothy James Sinon. They have one daughter, who resides in Florida.

Mr. Sinon financed his gift through an outright gift of stock valued at \$100,000. The University will invest this gift in its endowment fund.

A portion of the annual return will be used to provide scholarship support. Any additional return will be retained in the principal to guard against inflation and to ensure that a meaningful scholarship will always be awarded.

## BOOK SHELF

Collins O. Airhihenbwa, head of the Department of Health Education, is author of *Health and Culture: Beyond the Western Paradigm*.

The book emphasizes the effect of culture—including history, politics, and education—on people's health beliefs and behavior. It challenges the traditional, westernized medical approaches to health promotion and disease prevention, and provides an alternative model that is more appropriate for African and African-American cultures.

The first section of the book explores the relationship between health and culture in Africa, and introduces a new model for more culturally appropriate health programs. The second section explores the "politics of representation" in health promotion; it also offers examples of how the new model can be applied to specific populations (from women and children of all races to various subgroups in the African-American community) as well as to Africans' use of traditional healing remedies.

The book is published by Sage Publications.

Lynne E. Hewitt, assistant professor of communication disorders in the College of Health and Human Development, is co-editor of a new book, *Deixis in Narrative: A Cognitive Science Perspective*, published by Lawrence Erlbaum Associates.

The book's senior editors are Judith F. Duchan and Gail A. Bruder of the State University of New York at Buffalo.

The research in the book focuses on the process of interpreting narrative text. Deixis, a concept in linguistics, refers to what the reader or hearer infers about context: when and where events are taking place

and who is participating in them.

When readers imagine themselves to be in a world described in a book, poem or story, that act of imagination is called a deictic shift.

The book shows data to support these concepts and discusses how they work in various settings, ranging from the stories that preschoolers tell, to fiction writing, to verbal directions for telling someone how to get from one place to another. Several chapters deal with constructing a computer model of the deictic process.

The book represents the collaborative work of a group of students and faculty at SUNY Buffalo.

Vladimir M. Zatsiorsky, professor of exercise and sport science and director of the Biomechanics Laboratory in the Department of Exercise and Sport Science, is author of a new book, *Science and Practice of Strength Training*.

The book, published by Human Kinetics, is written for coaches, students who plan to become coaches and athletes, and is intended to provide both theory and methods of strength training. It begins with basic concepts of training theory and later covers specific strength-training approaches and exercises. There also is a chapter on injury prevention.

The book draws on scientific data as well as the experiences of more than 1,000 elite athletes. It also emphasizes eastern European concepts of strength conditioning.

Before coming to Penn State, Dr. Zatsiorsky spent 18 years as head of biomechanics at the Central Institute of Physical Culture in Moscow, and 26 years as a consultant at a number of Olympic teams in the former Soviet Union.

## 25-year Awards



Observing 25 years of service at the University are (from left) A. Fraser Grigor, assistant director for maintenance, Housing and Food Services; Lynn E. Korman, operations foreman, Business Services; James P. Sterganas, director of Business and Community Services at the Penn State Berks Campus; Thomas Brouse, assistant professor of health and physical education, and Charles (Chuck) Kormanski, psychologist, both at the Penn State Altoona Campus; and Jo Anne Williams, library assistant III, University Libraries.

# The ARTS

AT PENN STATE

## Wildlife Arts Festival

Shaver's Creek is holding its Fourth Annual Wildlife Arts Festival at the Shaver's Creek Environmental Complex and Raptor Center from 10 a.m.-7 p.m. Saturday, Aug. 26, and from 11 a.m.-4 p.m. Sunday, Aug. 27. The festival, which includes the works of 13 artists, features displays, artists' demonstrations, music, food and live birds and animals. Proceeds benefit the Raptor Center. For more information, call (814) 863-2000.

## Exhibitions continue

The exhibition "Psalms," non-objective paintings by West Coast painter John McDonough, will continue at the Palmer Museum on the University Park Campus through Oct. 1. In addition, the museum will exhibit "Photographs from the Permanent Collection," 20 photographs from the Palmer Art Collection, through Jan. 14, 1996.

## UNIVERSITY PARK CALENDAR

### SPECIAL EVENTS

**Saturday, Aug. 12**  
Penn State Commencement  
**Tuesday, Aug. 15**  
Ag Progress Days, through Aug. 17.  
**Sunday, Aug. 20**  
Students arrive.

### PUBLIC RADIO

**WPSU-FM 91.5**  
"Morning Edition," Mon.-Fri., 6-9 a.m.  
"Performance Today," Mon.-Fri., 9-11 a.m.  
"All Things Considered," Mon.-Fri., 5-7 p.m.; Sat.-Sun., 5-6 p.m.  
"Weekend Edition," Sat. & Sun., 8-10 a.m.  
"Fresh Air with Terry Gross," Mon.-Fri., 4-5 p.m.  
"Odyssey Through Literature with S. Leonard Rubenstein," Weds., 7 p.m.  
"Car Talk," Fri., 7 p.m. and Sun., 6 p.m.  
"Living On Earth," Mon., 7 p.m.

"Piano Jazz with Marion McPartland," Mon., 8 p.m.  
"Thistle & Shamrock," Sun., 4 p.m.

### EXHIBITS

**Palmer Museum:**  
"Psalms," non-objective paintings by West Coast painter John McDonough, through Oct. 1.  
"Photographs from the Permanent Collection," 20 photographs from the Palmer Art Collection, through Jan. 14, 1996.

### TIPS

**Information Penn State**  
Call 863-1234, and enter the number of the message you wish to hear. Messages are listed in the front of the telephone directories. Other messages are Weather - 234; Arts Line - 345; University Calendar - 456.

Aug. 3 to 20

## University Park Libraries announce intercession schedule

University Libraries on the University Park Campus will operate on intercession hours Sunday, Aug. 6, through Tuesday, Aug. 22. Pollock Library will be closed during this period and will begin full hours on Wednesday, Aug. 23. Pattie Library, Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library and Physical Sciences Library will maintain the following schedule:

**Sunday, Aug. 6**  
CLOSED  
**Monday, Aug. 7 to Friday, Aug. 11**  
8 a.m. to 5 p.m.

**Saturday, Aug. 12**  
9 a.m. to 5 p.m.  
**Sunday, Aug. 13**  
CLOSED  
**Monday, Aug. 14 to Friday, Aug. 18**  
8 a.m. to 5 p.m.  
**Saturday, Aug. 19**  
9 a.m. to 5 p.m.  
**Sunday, Aug. 20**  
CLOSED  
**Monday, Aug. 21 to Tuesday, Aug. 22**  
8 a.m. to 10 p.m.

For more information on hours of library service, call (814) 865-3063 or type **HELP HOURS** when using the Library Information Access System (LIAS).

## Gerontology Center to hold conference in October

A conference examining how the workplace impacts older individuals and the effects of retirement is slated for Oct. 16-17 at the University Park Campus.

"Impact of Work on Older Individuals," sponsored by the Gerontology Center, begins at 8:30 a.m. Monday, Oct. 16, and ends at 12:30 p.m. Tuesday, Oct. 17. The three-session program will include:

- An overview of the psychological and sociological research done on the topic, presented by Carmi Schooler, Leslie Caplan, and Gary Oates, from the National Institute of Mental Health.
- Cross-cultural Issues on Work and Aging, presented by Chikako Usui, University of Missouri, St. Louis;
- Workplace Norms and the Late-career Worker, David Ekerdt, University of Kansas Medical Center;
- Career Trajectories and the Older Worker, Age Sorensen, Harvard University.
- Non-cognitive Influences in the Workplace, K. Warner Schaie, chair and Evan Pugh Professor of human development and psychology at Penn State; and
- Age, Work and Well-being,

### If you go

**What:** "Impact of Work on Older Individuals" conference, sponsored by the Gerontology Center  
**When:** Oct. 16 to 17  
**Where:** University Park Campus  
**Registration:** Must be made by Sept. 22  
**Information:** Call Conferences and Institutes Registration at (814) 863-5175

Peter Warr, University of Sheffield, England.

Participants from the Social Science Research Council, the Leadership Research Institute, the Center for Studies of Aging, the National Institute on Aging, Universität Bremen, Penn State, University of Michigan, University of North Carolina, University of Akron and the University of Toronto will be on hand to discuss issues.

For more specific information about the conference and fees, contact the Conferences and Institutes Registration at (814) 863-5175. Registration must be made by Sept. 22.

## Playground safety standards to be topic of fall conference

The possible development of an international consensus on playground safety standards typically addressed on a country-by-country basis will be among the issues explored at a conference held at and organized by Penn State this fall.

"Playground Safety," will run from Oct. 9-12 at the Penn State Scanton at the University Park Campus. Scholars, researchers, industry representatives, government officials, and others will work to examine potential resolutions of issues related to children's play and playground safety on an international basis.

Ann Brown, commissioner of the U.S. Consumer Product Safety Commission, is scheduled to give an opening keynote presentation. Topical sessions will be led by speakers including conference coordinator Monty L. Christensen, chairman of the National Playground Safety Institute and associate professor in the School of Hotel, Restaurant and Recreation Management; and Frances Wallach, president of a recreation management consulting firm and chair of the American Society for Testing and Materials' Playground Equipment Standards subcommittee.

Papers will be presented on such

### If you go

**What:** "Playground Safety — An International Conference"  
**When:** Oct. 9 to 12  
**Where:** Penn State Scanton at the University Park Campus  
**Information:** Call Suzanne St. Pierre at (814) 863-5140 or E-mail ssp1@cde.psu.edu

topics as playground and park asset management; playground use patterns of children with disabilities following Americans with Disability Act modifications; surveillance of playground injuries; home playground equipment hazards in the U.S.; and case studies of playground accident litigation.

The conference is a continuing and distance education service of Penn State's College of Health and Human Development and is offered in cooperation with the National Recreation and Parks Association's National Playground Safety Institute.

For more information about the conference, contact conference planner Suzanne St. Pierre at (814) 863-5140 or ssp1@cde.psu.edu.



## Four Diamonds story made into movie

The Disney Channel has produced a made-for-television movie, based on an essay written more than 20 years ago by a Lancaster County boy whose battle against cancer launched the Four Diamonds Fund — a major source of aid for the families of children being treated for cancer at The Hershey Medical Center.

The Disney Channel and The Four Diamonds Fund will be hosts for a premiere screening of The Disney Channel film, "The Four Diamonds" on Saturday, Aug. 5, at the Hershey Theatre with a reception following at Founder's Hall. This event will benefit The Four Diamonds Fund, which receives a large portion of its funding from the Penn State Dance Marathon.

"The Four Diamonds" movie is based on the real-life story of Christopher Millard, who died in 1972, and stars Christine Lahti and Thomas Guiry. Tickets for the benefit screening are \$10 and the cost to attend the screening and reception is \$50.

In the film, 13-year-old Christopher Millard (Thomas Guiry) is diagnosed with cancer. As a way of dealing with his illness, he writes a short story about a world of long ago and Sir Millard, a gallant but forgotten knight of King Arthur's Round Table. In parallel stories, Millard fights against the forces of evil while at the same time Chris battles the demons in his own life — the discomfort caused by his chemotherapy, alienation from friends at school, and his and his family's fears that he might die. As Chris creates this imaginary world, he transposes the people in his real life into characters in his story.

Following Christopher's death, the Millard family set up a fund in his memory. The fund is based at the Medical Center and benefits families of children undergoing cancer treatment there. Since 1972, the fund has raised more than \$7 million and financially assisted more than 2,000 families in 37 counties throughout Pennsylvania.

General admission tickets for the screening may be purchased by calling the **HERSHEY PARK Arena and Stadium Box Office** at (717) 534-3911. For more information about purchasing tickets for both the screening and reception, call (717) 531-2000, mailbox number 3300.

The movie will air this fall on The Disney Channel.

## Dean of Agricultural Sciences steps down from administrative positions

Lamartine F. Hood, dean of the College of Agricultural Sciences and director of Penn State Cooperative Extension and the Agricultural Experiment Station, announced July 25 that he will step down from his administrative positions in early 1996.

Dr. Hood, who was appointed to his posts in March 1986, plans to take a leave after stepping down to prepare for assuming new academic responsibilities at the University.

"I have been privileged to serve Penn State and the Pennsylvania agricultural community in a time of challenge and change," Dr. Hood said. "It has been satisfying and rewarding, and the College of Agricultural Sciences has been strengthened considerably over the last decade to better serve the largest economic sector in the Commonwealth — agriculture and agribusiness."

President Job Thomas said the University community is "grateful to Lam Hood for the vision and commitment he has brought. In a time of decreasing resources from both state and federal government for agricultural research and extension, Dean Hood succeeded in improving the college's academic quality, adding new facilities and enhancing its stature in and service to the Commonwealth."

The University will launch a national search for Dr. Hood's successor, according to John A. Brighton, executive vice president and provost, and the officer to whom deans report. The first step will be to identify appropriate individuals to serve on a search committee.

"We should be able to announce the committee's composition in a few weeks," Dr. Brighton said.

Dr. Brighton also cited examples of Dean Hood's accomplishments, including:

- The inauguration of small freshman seminars for every entering student in the college, and vigorous recruitment of women and minority faculty, staff and students into the agricultural sciences.

- The initiation of the Pennsylvania Governor's School for the Agricultural Sciences, which brings high achieving high school students to Penn State each summer for a comprehensive program in agricultural research, extension and education.

- A 48 percent increase in enrollment at the University Park Campus from 1,770 students in fall 1986 to 2,618 in



"I have been privileged to serve Penn State and the Pennsylvania agricultural community in a time of challenge and change."

Lamartine F. Hood

1994, making it the largest college of agriculture in the Big Ten.

- A new initiative, funded by the Kellogg Foundation, to create a model food system professions education program to meet the educational needs of a sustainable food system into the 21st century.

- Steady growth in the research funds the college attracts. In 1993-94, the college's research budget totaled \$52.1 million, or 16 percent of the University's \$316.7 in research expenditures.

- A significant increase in physical facilities. The college added a \$25 million Agriculture Sciences and Industries Building, as well as new poultry and dairy research centers and a new greenhouse range totaling \$12.7 million.

- Development of the Berks Campus as a perk-environment for freshman and sophomore students interested in majoring in the agricultural sciences.

- A change in name for the former College of Agriculture (to Agricultural Sciences) to better reflect the broad nature of its programs and research and its scientific underpinning.

Before coming to Penn State, Dr. Hood was director of the New York State Agricultural Experiment Station at Geneva, a part of Cornell University. He received his Ph.D. in food science and biochemistry from Penn State in 1968, his M.S. in dairy science from the University of Minnesota in 1963 and his B.S. in dairy science from Penn State in 1959.

## Workshop aids job understanding



In June, a group of Penn State administrators participated in a two-day Workshop. Out session with 22 GE executives, operations managers and recent Penn State hires to gain a better understanding of each other's organization and culture,

strategies and methods of achieving and measuring strategic goals.

Attending from Penn State were William Asbury, John Brighton, John Dietz, Renata Engel, J.D. Hammond, Arthur Heim, John Lilley, Frederick Loomis, Stephen McGregor, Gary Miller, George Moellenbrock, Robert Pangborn, Betty Roberts, Louise Sandmeyer, James Stewart, David Wormley and Jack Yost.

### Liberal Arts staff fellowship

The College of the Liberal Arts Human Resource

Needs Assessment Committee developed a Staff Fellowship Program for the college. The committee benchmarked other fellowship/internship models in the Colleges of Engineering and Education in order to assess the benefits, processes and structures of similar programs.

The College Fellowship Program has three primary objectives:

- To provide opportunities to enhance the expertise of staff

- To recognize and motivate outstanding staff

- To develop a pool of talented and prepared staff members for future college staffing needs.

The fellowship provides a four-month period during for January through March 1996. The committee members are: Marilyn Byers, Carolyn Fishburn, JoAnn Harris, Kathy Itinger, Richard Leah, Sheri Miller and Rita Munchinski.

If you would like more information about CQI, please contact Louise Sandmeyer, executive director, or Carol Everett, assistant director, of the CQI Center, (814) 863-8721.

## Partings

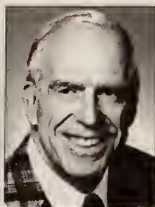
# Smeal College loses associate dean to retirement

Paul H. Rigby, credited with making Penn State a national leader in business research, has retired from the University after more than 30 years of service. Kenneth M. Lucht will succeed Dr. Rigby as associate dean for research and will serve as director of doctoral and M.S. programs. Glenn Pitman will be associate dean for professional masters programs. (See related story, page 5.)

As associate dean for research and graduate programs in The Smeal College of Business Administration, Dr. Rigby led the development of the college's division of research, an umbrella organization for its scholarly centers and institutes. These units have led the way in earning outside support for business research here — this year, a record \$3.7 million. Last year's earnings of more than \$2.49 million and expenditures of \$2.928 million (including internal resources) gained the college a second-place ranking among the nation's business schools.

When Dr. Rigby joined the Penn State faculty in 1964, he reorganized what was then a traditional bureau of business research to build non-University support and promote research that crossed traditional lines between departments in the college.

The revamped organization has since served as



Paul H. Rigby

an incubator for the development of The Smeal College's research organizations, today numbering nine and delving into a broad array of business issues, from business-to-business marketing to real estate studies.

Dr. Rigby's personal research has probed the use of Bayesian statistics, decision theory and problem solving in management decision-making. He has analyzed economic problems and input-output issues for public-sector programs, and studied the administrative organization of research programs in professional schools.

Also a professor of business administration, he has taught most the graduate and undergraduate levels, in addition to leading sessions in the University's internationally recognized Executive Pro-

grams. He has been deeply involved in the activities of the Associated Universities for Business and Economic Research (AUBER), serving as president, vice president and executive committee member of that group, in addition to acting as Penn State's representative to the organization.

For the past 15 years, Dr. Rigby organized a conference on support for business and economic research.

Before joining The Smeal College, Dr. Rigby was director of business studies and an associate professor of business management at the University of Missouri from 1962 to 1964, director of the Center for Research in Business and Economics and a professor of economics at the University of Houston from 1956 to 1962, director of the Bureau of Business and Economic Research and an assistant professor of marketing at the University of Alabama from 1952 to 1954. Before that he held other positions in the academic and business communities, largely in Texas. He is a U.S. Army veteran of World War II.

Dr. Rigby earned his doctoral degree from the University of Texas at Austin in 1952. He and his wife, Doty, live in State College. The couple has two children.

## Five retire from University

Anabelle Henning, coordinator in Accounts Payable at The Hershey Medical Center, retired after 22 years of service.

Carolyn Bibb, staff assistant IX at The Hershey Medical Center, recently retired from her 22-year career as an employee with the University, but continues as a volunteer at the East Lobby information desk.

Beginning in 1973 in the Cashier's Office at the medical center, she moved to the Biomedical Electronics Lab where she remained until her retirement. In that position, Mrs. Bibb was responsible for the meticulous maintenance of hospital records, including inspection records and documentation, and played a significant role in transferring those records from the manual record keeping to a computer database.

She was active in the Administrative Support Development Organization and chaired one of its committees. She also earned a certificate in business management and completed the Administrative Secretarial Certificate Program.

In her retirement, she and her husband, Bill, plan to be more active in the Happy Wanderers, a senior citizens group from Middletown who entertain at local retirement homes. They have five grandchildren.

William M. Bode, senior research support associate in the College of Agricultural Sciences, retired after 25 years of service.

Thomas L. McMinn, janitorial worker, Office of Physical Plant, retired in May after 11 years of service.

Hired in 1983, Robert R. Weiss, instructor in engineering at the Penn State Schuylkill Campus, retired after 11 years of service to the University.

## Assistant professor ends 32-year career

William E. Gibbs, assistant professor of advertising, has retired after 32 years of teaching at Penn State.

As professor-in-charge of the advertising program for more than 20 years, Mr. Gibbs was responsible for the design and development of the College of Communications' recently-initiated public relations option. He was also the advisor of the Penn State chapter of the American Advertising Federation for seven years and the advisor of the Public Relations Student Society of America for two years. He served one term on the board of directors of Collegian, Inc.



William E. Gibbs

## Physician leaves Hershey after 21 years

Dr. Alexander Kalenak, nationally renowned sports medicine physician, former professor of orthopedics, director of orthopedics sports medicine, and Penn State's team orthopedic surgeon, retired after 21 years of service to The Hershey Medical Center.

After graduating from Penn State in 1957, Dr. Kalenak earned his medical degree from Hahnemann University in Philadelphia in 1961. He served a year's internship at Akron City Hospital in Ohio before becoming a flight surgeon in the United States Navy.

Dr. Kalenak enjoyed a university appointment with Albany Medical College in New York and headed the



Alexander Kalenak

sports medicine program there before returning to his native state and alma mater in 1973 by accepting the newly-created position of team orthopedist at Penn State. He established the liaison with Penn State's Department of Health and Physical Education and The Hershey Medical Center, and spearheaded the effort to develop the Sports Medicine Program.

In 1977, Dr. Kalenak was promoted to associate professor of surgery in the College of Medicine, and became a professor of surgery in 1985. In 1986, he was appointed affiliate professor of locomotion studies, Department of Exercise and Sport Science.

He is a member of the American Orthopedic Society for Sports Medicine, American Academy of Orthopedic Surgeons, American Orthopedic Association and American College of Sports Medicine. He received many honors and awards throughout his career and served on the editorial boards of the *American Journal of Sports Medicine*, *Clinical Orthopaedics and Related Research*, *Journal of Arthroscopy* and the *Penn State Sports Medicine Newsletter*.





**Under construction**

The Schreyer House, future home of the University's 16th president, is currently undergoing a facelift thanks to a \$1 million donation from Board of Trustees President William Schreyer and his wife, Joan. Here, workers lay the foundation for an addition to the residence.

Photo: Greg Grieco

## Engineering launches new minor

Penn State's College of Engineering has begun a new, interdisciplinary minor to help engineering undergraduates develop the practical leadership skills they'll need throughout their careers.

"I'm sure there are born leaders, but most leaders are developed by learning what it takes to be a leader and practicing it," Jack Matson, director of the Leonhard Center for Innovation and the Enhancement of Engineering Education, said.

Through the minor, engineering students will learn how to lead, how to work together in teams and how to communicate well in a competi-

tive global society — all the things industry is telling us engineering professionals need."

The minor in engineering leadership development, which requires a minimum of 18 credits, was presented to the Board of Trustees in May. The minor was endorsed in concept last year by the Leonhard Center's advisory board and developed with input from advisory board members, engineering professionals, recruiters for engineering firms and faculty members.

The Leonhard Center was created to improve engineering education by developing new teaching techniques

and enhancing existing practices. It was made possible by a \$10 million gift from William E. Leonhard, a retired engineering company executive and 1936 Penn State electrical engineering graduate, and his wife, Wyllis.

Students in the minor will analyze the roles and practices of leaders in engineering firms.

The minor could include courses in science, technology, public policy, management, psychology, sociology and other subjects, depending on the interests of the students signing up for the minor.

## Assistant to vice president nominations sought

The Commonwealth Educational System (CES) invites nominations and applications for the position of assistant to the vice president.

The position reports to the senior vice president and dean of the CES. Responsibilities include: coordination and consultation to CES locations on their Advisory Board activities, serving as point of contact for system-wide Advisory Board communications; participating in the legislative advocacy grassroots efforts; coordinating various aspects of academic programming at CES locations; and preparing studies and providing problem-solving expertise on a variety of CES academic and administrative issues.

In addition, the position reports jointly to the senior vice president and dean for CES, and the vice provost for educational equity, for leading a targeted approach for diversity programs, initiatives and issues for the campuses of the CES.

The successful candidate should have a doctorate; regular or affiliate faculty appointment within the University; skills in communication, collaboration, leadership and team building; experiences in higher education administration and diversity programming; and a demonstrated commitment to faculty, staff and student diversity.

Applicants should submit a cover letter and resume, with the names of three references to: Rachel Miller, manager of CES Human Resources, 1205 S. Burrows Street, University Park, PA 16801.

Applications will be accepted until the position is filled, but resume review will begin Aug. 10.

## Promotions

### Staff

Sherri L. Letterman, network coordinator, Division of Development and University Relations.  
Wendy L. Lingle, staff assistant VII, The Hershey Medical Center.  
Chris D. Lose, microcomputer information specialist, Research and Graduate School.  
Steven T. Lower, senior designer, electromechanical, Applied Research Lab.  
Lisa K. Lutz, staff assistant V, Office of Human Resources.  
Barbara A. Lyke, senior systems analyst, Business Services.  
Karen E. Macaulay, clinical nurse specialist, The Hershey Medical Center.  
Patricia A. Mayes, accounting assistant, Office of The President.

Amy M. McCracken, senior applications programmer analyst, Office of Human Resources.  
Masayo M. Mesler, applications systems analyst, The Hershey Medical Center.  
Donna L. Meyer, staff assistant VI, Office of The President.  
Jack E. Moyer, assistant manager, Operations, Computer and Information Systems, Telecommunications.  
Karen E. Reeve, staff assistant V in Business Services.  
Melanie S. Rupert, financial officer III in Corporate Controller's Office.  
Beverly J. Shirk, clinical head nurse at The Hershey Medical Center.  
Robin B. Small, staff assistant VI in College of Engineering.  
Robert W. Smith, supervisor in Engineering Labs.

Trudy A. Smith, staff assistant V at The Hershey Medical Center.  
Sharon M. Spicer, administrative assistant IV in College of Agricultural Sciences.  
Heather A. Storm, assistant ticket manager at University Arts Services.  
Thomas H. Weber, senior support and training analyst in College of Agricultural Sciences.  
David L. Witmer, manager, Communications and Safety Services, in Applied Research Laboratory.  
Sharon M. Woodring, clinical head nurse at The Hershey Medical Center.  
Gary A. Young, supervisor, Engineering Shop Services, in Applied Research Laboratory.

### Technical Service

Deborah M. Coder, central control system operator in Office of Physical Plant.  
Robert J. Keller, food preparer A in Housing and Food Services.  
Samuel J. Keller, maintenance worker utilities in Housing and Food Services.  
Paul J. Krom, maintenance worker utility in Office of Physical Plant.  
Joseph I. Peters, HVAC maintenance mechanic in Office of Physical Plant.  
Stephanie A. Sheetz, anesthesia technician at The Hershey Medical Center.  
Janet R. Stevens, central processing aide at The Hershey Medical Center.  
Ronald C. Weaver, areas facilities maintenance worker in Office of Physical Plant.

# Summer commencement speakers named

Penn State will hold 1995 summer commencement ceremonies on Aug. 12 for a total of 2,309 students, including 1,255 baccalaureate, 653 graduate, and 267 associate degree students at the University Park campus.

The ceremonies will be the last attended by President **Joab Thomas**, who is retiring effective Aug. 31. Dr. Thomas will confer the degrees at both the undergraduate and associate degree ceremonies and the Graduate School ceremonies.

Of the students graduating with advanced degrees at University Park, 462 will receive master's degrees and 191 will receive doctoral degrees. In addition to the degrees being awarded at University Park, 34 baccalaureate degrees and four master's degrees were earned at Penn State Erie, The Behrend College, and 68 baccalaureate degrees and 37 master's degrees were earned at Penn State Harrisburg.

Undergraduate and associate degree ceremonies at University Park will be held at 10:30 a.m. in the Recreation Building, with an address by State College Mayor **William Welch**.

Mr. Welch, a 1964 Penn State graduate with a B.A. degree in English, has been editor since 1985 of *The American Philatelist*, the monthly magazine of the American Philatelic Society. Previously Welch was executive editor and general manager of the *Centre Daily Times*, a Knight-Ridder newspaper based in State College. Mr. Welch also has narrated several documentaries for WFSX-TV, Penn State's public television station, and for several years was host of "Pennsylvania Chronicle," a weekly statewide program on WPSX.

The Graduate School ceremonies will be held at 2 p.m. in Eisenhower Auditorium, with an address by **Rodney A. Erickson**, who became dean of the Graduate School on July 1.

Dr. Erickson, professor of geography and business administration, previously served as the director of the Center for Regional Business Analysis and associate director of the research division in The Smell College of Business Administration. Dr. Erickson was a Fulbright Senior Research Scholar

## If you go

**What:** Summer commencement ceremonies  
**When:** Undergraduate and associate degree: 10:30 a.m., Aug. 12; Graduate School: 2 p.m., Aug. 12  
**Where:** Undergraduate and associate degree: Recreation Building, University Park Campus; Graduate School: Eisenhower Auditorium, University Park Campus  
**Parking:** Undergraduate and associate degree: Nittany Deck, near Recreation Building; Graduate School: Eisenhower Deck, behind Eisenhower Auditorium

in the United Kingdom and a Simon Senior Research Fellow at the University of Manchester in 1982.

During commencement ceremonies, student marshals — selected from each college on the basis of academic performance — will lead the graduates to be recognized, along with faculty they have chosen as marshals to accompany them. The student and faculty marshals are:

■ **Michael Earle Reinert** of Somerville, a University Scholar majoring in landscape contracting in the College of Agricultural Sciences, with **Dan T. Stearns**, assistant professor of landscape contracting.

■ **Annik E. Fisher** of State College, a University Scholar majoring in art history in the College of Arts and Architecture and the recipient of a Fulbright grant to study in Cologne, Germany, in 1996, with **Elizabeth Smith**, associate professor of art history.

■ **Felix Friedman** of Elkins Park, a University Scholar majoring in marketing and international business in the Smell College of Business Administration, with **Douglas B. Holt**, assistant professor of international marketing.

■ **Angela Marie Pomponio** of Shamokin, a University Scholar majoring in journalism in the College of Communications, with **Jack Lauterer**, assistant professor of journalism.

■ **Ryan Thomas Desko** of Latrobe, a University Scholar majoring in mining engineering in the College of Earth and Mineral Sciences, with **Christopher J. Bise**, Centennial professor of mining engineering and chair of the mining engineering section of the mineral engineering department.

■ **Tamalyan Press** of Erie, a University Scholar majoring in elementary and kindergarten education in the College of Education, with **Thomas M. Dana**, assistant professor of education.

■ **Louis Richard Centonanza** of Montville, N.J., a University Scholar majoring in aerospace engineering in the College of Engineering, with **Edward C. Smith**, assistant professor of engineering.

■ **Christopher David Jenkins** of Bethlehem, a University Scholar majoring in recreation and park management in the College of Health and Human Development, with **Gerald R. Potter**, affiliate professor of leisure studies and director of the Shaver's Creek Environmental Center.

■ **Patricia J. Buck** of Uniondale, a University Scholar majoring in psychology in the College of the Liberal Arts, with **James Martin**, associate professor of psychology.

■ **Theodore Raymond West** of Camp Hill, a University Scholar majoring in chemistry in the College of Science, with **Ken S. Feldman**, associate professor of chemistry.

■ **Michael John Wilhelm** of State College, a University Scholar majoring in administration of justice in the College of the Liberal Arts, has been chosen as the student marshal for the Reserve Officers Training Corps (ROTC).

Graduates, parents and friends planning to attend the ceremonies are encouraged to park in the Nittany Deck near the Recreation Building for the 10:30 a.m. ceremony and in the Eisenhower Deck for the Graduate School ceremony at 2 p.m.

## Obituaries

**Constance E. Einhouse**, environmental health worker, The Hershey Medical Center; from Feb. 4, 1974, until her retirement Dec. 31, 1988; died June 15 at the age of 68.

**Ellwood C. McClellan**, physical mechanic, Office of the Elevator Plant; from Nov. 9, 1961, until his retirement Feb. 19, 1981; died June 24 at the age of 76.

**Arthur H. Walters**, maintenance mechanic, Housing and Food Services; from Nov. 14, 1972, until his retirement Jan. 9, 1988; died May 19 at the age of 70.

**John L. Washington**, research support associate, The Hershey Medical Center; from Nov. 1, 1985, until his death June 1. He was 63.

**Jacqueline M. Wirth**, extension agent, College of Agricultural Sciences; from April 1, 1976, until her retirement Jan. 1, 1993; died May 23 at the age of 66.

## University Hospital's clinical services cited by U.S. News and World Report magazine

**A survey in U.S. News and World Report ranks the quality of the Hershey facility at the top of a national list of more than 1,600 care centers.**

Four Clinical Services Cited by *U.S. News & World Report* University Hospitals has been selected as one of the best in the country in four clinical areas, according to a survey in the July 24 issue of *U.S. News and World Report*.

In 12 specialties, *U.S. News* ranked the top 40 hospitals. The areas cited at University Hospitals are cancer (38th), cardiology (38th), gastroenterology (39th), and urology (33rd).

In its sixth annual objective ranking, *U.S. News*, in conjunction with the National Opinion Research Center (NORC), assessed hospital care for the 12

specialties. No other publication or organization objectively ranks the quality of hospitals on a nationwide basis. A reputational survey was used to assess four other specialties.

NORC, a noted social-science research group at the University of Chicago, mailed confidential questionnaires to a geographic cross section of 150 board-certified physicians in each of 16 specialties for a total of 2,400 physicians. These doctors were randomly selected from the American Medical Association's database of AMA members and nonmembers. NORC asked the physicians to name the five hospitals they consider the best from among the nation's 1,631 tertiary care centers, without taking location or expense into account.

To determine the rankings, *U.S. News* relied on a mathematical model designed for the magazine by NORC. It combines three years of *U.S. News* reputational surveys and two years of death-rate statistics published by the federal Health Care Financing Administration, with up to nine categories of information related to quality, such as the ratio of registered nurses to beds.





**Spend a Summer Day**

Prospective students and their families wait to board a tour bus at the Hetzel Union Building on the University Park Campus during the University's Spend a Summer Day visitation program. The Undergraduate Admissions Office sponsored the four-day event, designed to give the high-school students a chance to learn more about applying for admission and to gather information about all aspects of life at the University. The annual event attracts nearly 6,000 visitors to the University Park Campus over the course of the program.

Photo: Greg Grieco

## University may get GIS site license

University Libraries and the Microcomputer Order Center (MOC) are jointly working to complete an agreement with the Environmental Systems Research Institute (ESRI) to get a Geographic Information Systems (GIS) software site license. Under the terms of this arrangement, faculty and students at University Park will have increased access to most ESRI products for educational and research purposes.

This arrangement will greatly increase the availability of GIS technology to both existing and potential users at Penn State, while lowering the overall costs for the University. The general terms of this agreement provide for the following:

- Reduced costs for ESRI software and datasets.
- Software and documentation update.
- Technical support.

There will be a joint briefing by ESRI and involved Penn State personnel on Aug. 22 from 1 to 3 p.m. in 101 Kern Building to discuss the details of this agreement.

All current and future users of ESRI software are encouraged to attend.

For more information contact Todd Bacastow at (814) 865-0141, or by e-mail at bacastow@gis.psu.edu.

## University makes extra effort to house freshmen

Because the number of incoming Penn State freshmen this fall is at a six-year high, the number of first-year students who will be placed in temporary housing at the University Park Campus will be higher than normal. But Penn State is doing everything it can to ensure that those students will have comfortable quarters and a good academic experience while in temporary housing.

Temporary housing students are typically placed in residence hall study lounges, where they have furniture similar to that of other residents — beds, desks or tables, and dressers — and access to the same kinds of services.

"We're doing a lot of work to make sure that the students have everything they need, including extra phone lines and data connections for their computers," said Tom Gibson, assistant vice president for auxiliary services, which includes housing and food services. "We're also doing a lot of extra painting and detail work, to make sure the rooms are just right."

The University routinely has 400 to 600 students in temporary housing each fall, because it does not put students on a waiting list. This fall the number of students in temporary housing could be more than 1,000.

"We're going to take good care of these students," Mr. Gibson said. "This is something that the staff is used to dealing with. Having more students in temporary housing is a little bit of a challenge, but we have the space, and the staff will do everything they can to make the situation a good college experience."

The temporary housing can be so attractive, Mr. Gibson said, that when the number of students in a lounge starts to decrease, "people fight to stay there. They don't want to move; they've bonded with their roommates, and they like that the room is so large, compared to the normal housing space." Also, students in temporary housing pay a reduced rate for their housing.

To help students deal with the temporary housing situation, the University is giving its resident assistants (RAs) special training on helping the students get along with their roommates in a temporary housing situation, offering optional programs to the students living in temporary housing (including providing them with a "Roommate Starter Kit" from the Penn State Press), working hard to impress on the students the importance of security issues, making sure that adequate study facilities are available, and regularly providing "goodies" such as free laundry tokens and free microwave popcorn.

"We try to acknowledge that this is an unusual situation, and we try to make the students' stay as pleasant as possible," said Cail Hurley, director of residence life.

To temporarily house the higher numbers of students, the University will probably need to use lounges in more residence halls and/or increase the numbers of students in each lounge. Also, some RAs — who usually have single rooms — might be assigned roommates, to further help ease higher need for housing.

In addition, when the students in temporary housing receive regular housing assignments, they'll need to pack up their belongings in boxes, but Housing Services will move their things to the new locations.

This year, the number of students accepting admission offers to the University Park Campus is 16 percent higher than last year's, according to John J. Romano, vice provost for enrollment management and administration.

In a recent presentation to the University's Board of Trustees, Dr. Romano attributed the upswing in acceptance to the many collaborative efforts involving University campuses, colleges and the central admissions and student aid offices.

"The bottom line is, the 'yield' — how many students accepted offers of admission — is much higher

than it was a year ago," said Geoff Harford, director of the division of admissions services and evaluation. "Over the past year we have expanded our outreach efforts to prospective students, to try to get the yield to go up. But there was no way to predict that the number of students accepting would be so much higher than in previous years."

In recent years, the yield has improved, but not at the significant rate experienced this year. It's impossible to say if this year's high rate of increase represents the beginning of a trend, Mr. Harford said. "But we will do everything we can to be very mindful of this year's experience as acceptance rates start to come in next year," he said.

The changes for the upcoming year also extend to quality issues. For example, among University Park offers, there has been a 20 percent increase in applicants with combined Scholastic Aptitude Test (SAT) scores of 1,300 or higher.

The increased number of first-year students will also have an impact on general education courses such as English 15, a required composition course, and other introductory courses in subjects such as math and chemistry. But the University will handle the increased demands by making reassignments and if necessary by hiring additional instructors.

"We are working closely with departments across the University to make sure that incoming students have the opportunity to sign up for the classes they need," said John Cahir, vice provost and dean of undergraduate education.

The Registrar's office has maintained daily contact with advisers in the colleges, informing them of the enrollment in the most demanded freshman courses. "They've been adding many classes and additional sections, to be responsive to the large group of new freshmen that is coming," said J. James Wager, University Registrar.

## Awards

# Three Worthington Scranton faculty honored

Three Penn State Worthington Scranton campus faculty members have received awards for outstanding service, scholarship and teaching.

Jeffrey R. Mallas, campus supervisor of athletic recreational operations, was awarded the 1995 Gertrude Hawk Chocolates, Inc. Award, instituted in 1979, for outstanding performance and service in academic endeavors, co-curricular activities and service to the community.

Norbert J. Mayr, associate professor of history, received the 1995 Pharmacology Laboratories Award for Excellence in Scholarship. The award, established in 1988 by Richard and Sally Matthews, recognizes outstanding performance in scholarship and research.

Paul J. Perrone, instructor in English, was recognized for his teaching abilities with the 1995 campus Advisory Board Award for Excellence in Teaching.

Mr. Mallas, who joined the campus staff in 1981, coordinates campus sports programs and the use of campus athletic facilities. In addition, he teaches exercise activity classes and coaches the men's soccer and baseball teams. Under his leadership, the campus captured the 1990 Commonwealth Campus Athletic Conference soccer championship. That same year, he



Jeffrey R. Mallas

was named the conference's Soccer Coach of the Year.

An active member of the Greater Scranton Area Penn State Chapter, Mr. Mallas initiated the local chapter's Fall Recognition Night. He is past president and serves on the chapter's board of directors, and its athletic awards and scholarship committees. He holds a bachelor of science degree from Penn State in physical education and a master's degree in physical education from East Stroudsburg University.

Dr. Mayr, who joined the Penn State faculty in 1989, is the recipient of two Fulbright grants, was appointed a Distinguished Research Fellow at Cornell University, and received the 1991 Ken Forster Undergraduate Teaching and Faculty Development Award and the 1991 Gertrude Hawk Chocolates, Inc. Award for Outstanding Service. In 1993, he received the campus Advisory Board Award for Excellence in Teaching.

He is co-director of the Campus Honors Program and serves on numerous campus and University committees. Dr. Mayr earned his bachelor of arts degree in history from Fayetteville State University and holds both his master's and doctoral degrees in history from the University of North Carolina at Chapel Hill.



Norbert J. Mayr

Dr. Mayr is a member of the Royal Bavarian Academy of Science, the American Historical Association and the German Studies Association and the History of Education Society.

Mr. Perrone, who has taught several courses at the campus since 1971, has served as assistant to the campus executive officer, director of the campus's Word Processing Center, coordinator of the extended general arts and sciences degree program and campus coordinator of the Department of English.

In addition, he chairs the campus scholarship and discipline policy committees, and serves as a member of numerous other committees and task forces. Mr. Perrone is the 1992 recipient of the College of the Liberal Arts Award for Outstanding Teaching, a University-wide honor recognizing dedication, innovation and expertise in teaching.

Mr. Perrone earned both his bachelor's and master's degrees in English from the University of Scranton. He served in the U.S. Army in Germany from 1963 until 1965 and was a member of the Army Reserve, where he attained the rank of lieutenant colonel.



Paul J. Perrone

## Distinguished educator named

James Mortensen, professor of agricultural education and associate dean of Resident Education in the College of Agricultural Sciences, has received the Distinguished Educator Award from the National Association of Colleges and Teachers of Agriculture (NACTA).

Dr. Mortensen, serving a two-year term as international president of Gamma Sigma Delta, the honor society of agriculture, was recognized for his efforts to improve teaching and advising through a series of faculty development workshops and his work with the establishment and development of the Pennsylvania Governor's School of Agricultural Sciences.

In 1992-93, Dr. Mortensen served as

chair of the Academic Programs Section for the Board on Agriculture/NASALGC. He was a Fulbright Professor to Nigeria, 1982-83, a member of Penn State's cooperative education project in Venezuela, has served on the international programs committee, publications committee, book review board and teaching awards committee for NACTA. He is a recipient of an outstanding service award from the American Association of Teacher Educators in Agriculture and from Gamma Sigma Delta.

Dr. Mortensen received his B.S. in 1964 from North Dakota State University, his M.Ed. in 1969 from Colorado State University and his Ph.D. in 1973 from Penn State.

## Penn College earns APEX recognition

Publications produced by Pennsylvania College of Technology's College Information and Community Relations Office have earned APEX (Awards for Publication Excellence) recognition. APEX awards, based on excellence in graphic design, editorial content and the success of the entry in achieving overall communications effectiveness and excellence, recognize national excellence in publications with professional communications.

A total of 3,592 competition entries were received from throughout the country. Penn College was recognized in the Total Publication Programs category for a package of recruitment materials, including three search

pieces, a view book, catalog and campus tour guide.

The college's Information and Community Relations Department is headed by Elaine J. Lambert. Others on the staff include: Harold "Chuck" Brown, manager of in-plant production; Lisa R. Engel, communications assistant; Raymond J. Fischer Jr., production printer; Donald K. Hunter Jr., printing/bindery helper; Heidi V. Mack, graphic artist/designer; Cindy D. Meisel, staff writer/photographer; Josephine S. Taylor, secretary; and K. Park Williams, production printer. Also assisting in the development of the materials were staff in the college's admissions and student services departments.

## Olympic Committee salutes professor

The International Olympic Committee has honored John A. Lucas, professor of exercise and sport science, with the Olympic Order.

The highest honor that the IOC can bestow was given in recognition of his 30 years of volunteer work as an Olympic archivist, historian, and lecturer.

IOC President Juan Antonio Samaranch will present Mr. Lucas with a gold medalion in August in Atlanta, site of the 1996 Summer Olympics.

Filmmaker Bud Greenspan was the last American to receive the Olympic Order; he was honored in 1990.

## Agway lauds associate professor

Lorraine M. Sordillo, associate professor of veterinary science, has received the 1995 "Young Scientist Award" from Agway Inc. in recognition of her outstanding contributions to research.

In the past, Dr. Sordillo's research has focused on the study of the physiology and morphology of the glands of dairy cattle during lactogenesis. Recently, her research has investigated pathogens found in mastitis in dairy cows and potential protection against the infection of their mammary glands.

This information could have important application in the design of future mastitis vaccines.

Dr. Sordillo, who has published more than 40 articles in peer-reviewed journals, has also written five book chapters and is an active

member of ADSA, the National Mastitis Council, Mammary Gland Physiology and Pathology Society and the American Association of Veterinary Immunologists.

In addition, she is a member of the editorial board of the Journal of Dairy Science.

Dr. Sordillo earned her bachelor of science degree in 1981, her master's degree in 1984 from the University of Massachusetts, and her doctorate in 1987 from Louisiana State University.

She was a postdoctoral research associate at the University of Tennessee, and from 1988 to 1992 served as a research scientist in the Immunology Group of the Veterinary Infectious Disease Organization at the University of Saskatchewan.



## Black light may be key to future of electrical engineering applications

Ultraviolet or black light set the mood during the 1960s, but during the 1990s it may control space robots and micro machines, and transfer information in telephones and optical computers.

These devices will contain components made of materials like PLZT — a combination of lead, lanthanum, zirconium and titanium that is sensitive to ultraviolet radiation. PLZT is both photovoltaic — producing electricity from light — and piezoelectric — creating motion from electricity. The combination of properties, called photostriction, allows materials to move when illuminated. It has applications including remote switches, relays, sound generators and micro machines such as robots and micromotors.

"The Japanese electrical industry asked us about a photostrictive switch for use in large generating plants," Kenji Uchino, professor of electrical engineering, said. "Frequent electrical storms cause arcing of existing switches, inadvertently shutting down entire plants. The operators would like a system that is physically separated from the generating plant."

A light-activated system would fit such a bill.

Another possible application is in scanning tunneling or electron microscopes where the specimen is placed on a stage in high vacuum. To move specimens, investigators currently either shut down the system or penetrate the vacuum chamber with an electric lead to power positioning equipment. Dr. Uchino, who is director of the International Center for Actuators and Transducers at the Intercollege Materials Research Laboratory, suggests that a properly built platform of PLZT could be moved in the vacuum by shining light from outside, with-



Kenji Uchino, professor of electrical engineering, has made a tiny, two-legged stand that slowly walks when illuminated.

Photo: Greg Grieco

out breaching the seal.

Dr. Uchino has already created a two-legged stand that very slowly walks when illuminated.

"In PLZT, we have a large electric voltage created by ultraviolet illumination, but the current is very low," Dr. Uchino said. "Unlike materials used for solar batteries, PLZT's electrical properties are unsuitable for electricity production. The 10 kilovolts created by 10 millimeters of PLZT creates a spark or motion through piezoelectricity, but is harmless because of the small current and will not light even the tiniest bulb."

Researchers are not certain what causes this bulk photovoltaic effect.

Dr. Uchino believes that to have photostriction, the crystal lattice of the material must have an uneven structure and be impure. Pure crystals produce so little current that it is unmeasurable.

The impurities in the crystal structure provide the electron and the uneven structure allows that electron, when excited, to not only increase in energy, but also move slightly. It is this movement that creates the high voltage and low current.

However, if the electron in one crystal moves to the right and the next one moves to the left, there will be no effect. To overcome this, the polycrystalline materials must be polarized.

Shining ultraviolet light on PLZT will not make the material move greatly. A complex arrangement of paired wafers is needed to magnify the displacement.

Two very thin layers of PLZT are bonded together with opposing polarization directions and conducting material connecting the edges. Light shone on one wafer creates expansion and an electric field that goes through the conducting material is applied on the second layer. The voltage, up to 10 kilovolts, triggers the piezoelectric effect in the second layer, which contracts and bends the entire double-wafer.

Unfortunately, when the illumination is shut off, it can take several minutes for the material to return to its original shape. In order to have a quick-response system such as a resettable switch or a tiny walking device, the second wafer must be illuminated to cause the shape to change in the other direction.

With this arrangement, response time improves to one or two seconds. Early experiments with other materials produced times measured in hours, indicating that great strides have already been made.

"In some applications, this response speed is apparently acceptable," Dr. Uchino said. "The Japanese power station interested in switches did not find the response time a problem."

One problem for PLZT and similar materials is that above certain temperatures, the crystals become symmetrical and the photo effect disappears.

"While we have now realized the feasibility of photostrictive materials, the energy level is still low," Dr. Uchino said.

Researchers also plan to investigate more efficient materials.

—Andrea Ellyse Messer

### Research



Farm  
easement  
program  
working

Pennsylvania is succeeding in its efforts to preserve farmland by purchasing development rights from farmers, suggests a survey conducted by researchers in the College of Agricultural Sciences.

Rural sociologist Stan Lembeck, agricultural economist Timothy Kelsley and agricultural law specialist John Becker surveyed 161 Pennsylvania farmers who sold development rights during the first two years of the statewide farmland preservation program.

"We wanted to learn who participated and why, and begin to assess whether the program was meeting its preservation goals," Mr. Lembeck said. Pennsylvania began purchasing easements in 1989, and so far has purchased more than 530 easements totaling more than 66,500 acres in 30 counties.

More than half of survey respondents said they sold the easements to preserve farming and keep the farm in the family. Other reasons included a need for cash to reduce debt and a desire to stop development.

### Genetics, iron linked to aluminum absorption

Genetics and iron deficiency influence the buildup of aluminum in the brains of mice, a University study indicates.

The study may help researchers who still don't know why people exposed to aluminum accumulate the metal in their brains at different rates, sometimes to toxic levels.

"There's a body of scientific work that says aluminum is toxic in the body under certain conditions, such as when it gets in the brain," Gary Fosmire, associate professor of nutrition, said. Dr. Fosmire conducted the study with Greg Becker, a graduate researcher.

Because the body handles iron and aluminum similarly, an iron deficiency can lead to increased absorption of aluminum, Dr. Fosmire said. He said the research also illustrates the complex link between genetics, such as a predisposition to aluminum toxicity, and the environment, such as an exposure to high levels of the metal. Most research focuses on either genetics or the environment, but not their relationship to each other, he said.

People are exposed to aluminum daily in products ranging from pots and pans to anti-perspirants.

## Search committee formed to find director of CABS

James Farr, professor of psychology and interim director of the Center for Applied Behavior Sciences (CABS), has been named chair of a 10-member search committee for the position of CABS director.

Other committee members, appointed by William D. Taylor, Intercollege Research Programs director, are:

Paul Clark, associate professor of labor studies and industrial relations; David Day, assistant professor of psychology; David Eggebeen, associate professor of human development and family studies; Rick Jacobs, associate professor of psychology; William Larry Kenney, professor of applied physiology; Raymond Lombra, professor of economics and associate dean for research and graduate studies, College of the Liberal Arts; Melvin Mark, professor of psychology; Scott Small, associate professor of business administration; and Charles Snow, professor of business administration.

CABS is a multidisciplinary research unit in the behavioral, social, life and physical sciences, engineering, and the arts and humanities. Its primary mission is the application of knowledge about human behavior to the solution of organizational problems.

Duties of the director include managing all CABS activities; securing grant and contract funding; and collaborating with other IRP units in research planning and activities. It is also anticipated that the CABS director would have an academic appointment in an appropriate university department.

Candidates should have a Ph.D. in psychology or related discipline with an emphasis on applied aspects, such as represented in industrial/organizational psychology, tests and measurement or human factors/engineering psychology; a history of successful grant and contract support; and a publication record consistent with a senior faculty appointment. Experience in multiple project management and research administration is highly desirable.

Deadline for applications and nominations is Dec. 1, or until qualified candidates are identified. Please send resumes to: William D. Taylor, IRP Director, 205 Kern Graduate Building, University Park, PA 16802.

### For the Record

In the promotions listing on page 9 of the July 20 issue of Intercom, the promotion of Teresa Kieniewicz-Badzián was listed incorrectly. Her proper title is senior research assistant.



### ... And action!

Tom Keiter, president of Filmscape Inc., directs his crew in front of Pattee Library on the University Park Campus while filming a promotional spot for the University. The spot will air during nationally televised Penn State football games this fall.

Photo: Greg Grieco

## Spots capture Penn State pride

It wasn't a major Hollywood production, but it came close.

What you may have witnessed on the University Park Campus recently was filming for the latest round of Penn State halftime spots — spots that could be viewed by tens of millions of people across the country beginning this fall.

When Coach Joe Paterno's charges kick off their season opener against Texas Tech on Sept. 9, not only will 95,000 fans be on hand in Beaver Stadium to witness what they hope will be a continuation of the Nittany Lions' 17-game winning streak, but so will millions of viewers watching the game on ABC Television.

As part of this broadcast package, Penn State is given free air time to use for a public service announce-

ment or message about the University. The spots, produced by the University's Department of Public Information and shot by Filmscape Inc., are 30 seconds long and will air on major television networks during select Nittany Lion football games this fall. The theme for the series is "Get There."

"This is a wonderful and invaluable opportunity for Penn State to put its best foot forward for millions of viewers across the country," Melisande McCrae, manager of the University's electronic media production and promotion, said. "For a relatively small investment of University funds for production costs, we are able to tell people around the country about the unique research taking place here and the great faculty and students at Penn State."

The spots feature four undergraduate students: Catherine Ciferri, an art history/medieval studies major; David Graves, a business major; Teresa Carmody, an engineering science and mechanics major; and Bruce Booth, a biochemistry major. The students inspire and challenge the viewers to pursue their dreams, whatever they may be, and show them how Penn State can help them "Get There."

Penn State alumnus Tom Keiter, president of Filmscape Inc., has helped Penn State "Get There" by producing these quality television spots for the University.

"Tom is going far above and beyond the terms of the contract to produce spots that will show his alma mater in the best possible light," Ms. McCrae said.

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Department of Public Information  
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Lisa M. Rosellini, editor  
Annemarie Mountz, associate editor  
Kathy Norris, staff assistant/calendar

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